

St. Leger, Geoffrey

Access DB# 110482

## SEARCH REQUEST FORM

### Scientific and Technical Information Center

Requester's Full Name: Gwen Liang Examiner #: 79180 Date: 12-15-03  
Art Unit: >172 Phone Number 305-3985 Serial Number: 09/599,735  
Mail Box and Bldg/Room Location: CPE 4B30 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Network Attached Disk Unit with Data Protection Function

Inventors (please provide full names): Watanabe, Naoki; Takamoto, Yoshifumi;  
Odawara, Hiroaki

Earliest Priority Filing Date: \_\_\_\_\_

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Concept: (See attachment A)

Claim = (See attachment B)

focus claim (15-3), 4=1 is a "must"

\* Good reference used before = Riedel et al.  
(See Attachment D) - No access restriction

12-16-03 A07:42 IN

STAFF USE ONLY		Type of Search	Vendors and cost where applicable
Searcher:	<u>Geoffrey St. Leger</u>	NA Sequence (#)	STN _____
Searcher Phone #:	<u>308-7800</u>	AA Sequence (#)	Dialog <input checked="" type="checkbox"/>
Searcher Location:	<u>4B30</u>	Structure (#)	Questel/Orbit _____
Date Searcher Picked Up:	<u>12/18/03</u>	Bibliographic	Dr.Link _____
Date Completed:	<u>12/26/03</u>	Litigation	Lexis/Nexis _____
Searcher Prep & Review Time:	<u>60</u>	Fulltext	Sequence Systems _____
Clerical Prep Time:	<u>4</u>	Patent Family	WWW/Internet _____
Online Time:	<u>2.85</u>	Other	Other (specify) _____



# STIC Search Report

EIC 2100

STIC Database Tracking Number: 110482

TO: Gwen Liang  
Location: 4B25  
Art Unit : 2172  
Wednesday, December 24, 2003  
  
Case Serial Number: 09/599735

From: Geoffrey St. Leger  
Location: EIC 2100  
PK2-4B30  
Phone: 308-7800  
  
geoffrey.stleger@uspto.gov

## Search Notes

Dear Examiner Liang,

Attached please find the results of your search request for application 09/599735. I searched Dialog's foreign patent files, technical databases, product announcement files and general files.

Please let me know if you have any questions.

Regards,

A handwritten signature in black ink that reads "Geoffrey St. Leger".

Geoffrey St. Leger  
4B30/308-7800



# STIC Search Results Feedback Form

## EIC 2100

Questions about the scope or the results of the search? Contact **the EIC searcher or contact:**

**Anne Hendrickson, EIC 2100 Team Leader**  
**308-7831, CPK2-4B40**

### Voluntary Results Feedback Form

- *I am an examiner in Workgroup:*  *Example: 3730*
- *Relevant prior art found, search results used as follows:*
- 102 rejection
  - 103 rejection
  - Cited as being of interest.
  - Helped examiner better understand the invention.
  - Helped examiner better understand the state of the art in their technology.

*Types of relevant prior art found:*

- Foreign Patent(s)
- Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

➤ *Relevant prior art not found:*

- Results verified the lack of relevant prior art (helped determine patentability).
- Results were not useful in determining patentability or understanding the invention.

**Comments:**

Drop off or send completed forms to STIC/EIC2100 CPK2-4B40



File 348:EUROPEAN PATENTS 1978-2003/Dec W02

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File 349:PCT FULLTEXT 1979-2002/UB=20031218, UT=20031211

(c) 2003 WIPO/Univentio

Set	Items	Description
S1	1845659	FUNCTION OR COMMAND OR REQUEST? ? OR TASK? ? OR JOB? ? OR - PROCEDURE? ? OR ACTION? ?
S2	248922	S1(5N) (SEND??? OR SENT OR FORWARD? OR TRANSFER???? OR CONV- EY? OR TRANSMIT? OR TRANSMISSION OR DELIVER? OR COMMUNICAT? OR PROVID??? OR REDIRECT? OR DIRECT??? OR DELEGAT? OR RELAY???)
S3	129284	S1(5N) (DOWNLOAD? OR UPLOAD? OR RECEIV??? OR RECEIPT OR OBT- AIN? OR GET???? OR ACQUIR??? OR ACQUISITION)
S4	57941	S2:S3(5N) (SERVER OR CLIENT OR NODE OR TERMINAL OR PC OR CO- MPUTER OR WORK()STATION OR WORKSTATION OR DEVICE OR UNIT)
S5	699059	ID OR IDENTIFIER? ? OR IDENTIFICATION OR IDENTIFYING OR ID- ENTITY OR ATTRIBUTE? ? OR PROFILE? ? OR AUTHORIZATION OR AUTH- ORISATION OR AUTHORITY OR PERMISSIONS OR RIGHTS OR PRIVILEGE? ? OR SECURITY()CLEARANCE OR CREDENTIAL? ?
S6	16539	(ACCESS OR CLEARANCE OR SECURITY OR CONFIDEN?) (3N) (LEVEL? - OR GRADE OR GRADES OR STANDING OR RATING? ? OR CLASS OR CLASS- IFICATION OR CATEGOR?)
S7	34473	S5:S6(3N) (CLIENT? ? OR NODE? ? OR TERMINAL? ? OR PC? ? OR - COMPUTER? ? OR WORK()STATION? ? OR WORKSTATION? ?)
S8	57777	S5:S6(3N) (PERSON? ? OR INDIVIDUAL? ? OR EMPLOYEE? OR MEMBE- R? ? OR ENTITY OR ENTITIES OR STUDENT? ? OR SOMEONE OR ANYONE OR USER? ? OR SUBSCRIBER? ? OR CUSTOMER? ? OR REQUESTOR? ?)
S9	60330	ACCESS???(5N) (LIMIT??? OR RESTRICT? OR FILTER??? OR CONFIN? OR CONTROL? OR REGULAT? OR MANAG?)
S10	5945	S4(S)S7:S8
S11	494	S4(S)S7:S8(S)S9
S12	286	S11 AND IC=G06F
S13	949719	FUNCTION OR COMMAND OR TASK? ? OR JOB? ? OR PROCEDURE? ? OR ACTION? ?
S14	228528	S13(5N) (SEND??? OR SENT OR FORWARD? OR TRANSFER???? OR CON- VEY? OR TRANSMIT? OR TRANSMISSION OR DELIVER? OR COMMUNICAT? - OR PROVID??? OR REDIRECT? OR DIRECT??? OR DELEGAT? OR RELAY??- ?)
S15	104819	S13(5N) (DOWNLOAD? OR UPLOAD? OR RECEIV??? OR RECEIPT OR OB- TAIN? OR GET???? OR ACQUIR??? OR ACQUISITION)
S16	39664	S14:S15(5N) (SERVER OR CLIENT OR NODE OR TERMINAL OR PC OR - COMPUTER OR WORK()STATION OR WORKSTATION OR DEVICE OR UNIT)
S17	189	S16(S)S7:S8(S)S9
S18	103	S16(30N)S7:S8(30N)S9
S19	63	S18 AND IC=G06F
S20	40	*deleted* S18 NOT S19
S21	122	S17 NOT S18
S22	57	S21 AND IC=G06F
S23	65	S21 NOT S22
S24	123765	FUNCTION(5N) (SEND??? OR SENT OR FORWARD? OR TRANSFER???? OR CONVEY? OR TRANSMIT? OR TRANSMISSION OR DELIVER? OR COMMUNIC- AT? OR PROVID??? OR REDIRECT? OR DIRECT??? OR DELEGAT? OR REL- AY???)
S25	39115	FUNCTION(5N) (DOWNLOAD? OR UPLOAD? OR RECEIV??? OR RECEIPT - OR OBTAIN? OR GET???? OR ACQUIR??? OR ACQUISITION)
S26	18432	S24:S25(5N) (SERVER OR CLIENT OR NODE OR TERMINAL OR PC OR - COMPUTER OR WORK()STATION OR WORKSTATION OR DEVICE OR UNIT)
S27	760	S26(S)S7:S8
S28	29	S27/AB

19/5,K/8 (Item 8 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01134233

Filing system which provides increased availability of image data stored therein

Archivierungssystem das die Verfugbarkeit der darin gespeicherten Bilderdaten verbessert

Système d'archivage destine a ameliorer la disponibilite de donnees d'image stockee la-dedans

PATENT ASSIGNEE:

Ricoh Company, Ltd., (209037), 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo  
143-8555, (JP), (Proprietor designated states: all)

INVENTOR:

Maryama, Teruyuki, 1-1-1-807 Ikedaicho, Sagamihara-shi, Kanagawa, (JP)  
Miyamoto, Masayoshi, 105-4-205 Minesawacho, Hodogaya-ku, Yokohama-shi,  
Kanagawa, (JP)

Kakii, Hiroshi, 4-19-1 Higashitoyoda, Hino-shi, Tokyo, (JP)

Yoshikawa, Takashi, 3-23-6-902 Shinyokohama, Kohoku-ku, Yokohama-shi,  
Kanagawa, (JP)

Araumi, Yuichi, 2-1-7 Utsukushigaoka, Aoba-ku, Yokohama-shi, Kanagawa,  
(JP)

LEGAL REPRESENTATIVE:

Schwabe - Sandmair - Marx (100951), Stuntzstrasse 16, 81677 Munchen, (DE)  
PATENT (CC, No, Kind, Date): EP 990970 A1 000405 (Basic)

EP 990970 B1 020508

APPLICATION (CC, No, Date): EP 99119044 990929;

PRIORITY (CC, No, Date): JP 98279019 980930

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-001/00

CITED PATENTS (EP B): DE 19703970 A; US 5602936 A

ABSTRACT EP 990970 A1

In a filing system, a data processing apparatus is connected to a file server via a transmission path. Image data of a document is captured into the data processing apparatus. The captured image data is stored onto an image storage medium. One or a plurality of owner identifications are acquired when the image data is captured. The owner identifications are correlated with the image data stored on the image storage medium, and the stored image data is allowed to be accessed when any of the owner identifications correlated with the image data is verified. The image data is output in a readable manner by retrieving the stored image data of the image storage medium when the access to the image data is allowed.

ABSTRACT WORD COUNT: 124

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 000809 A1 Date of request for examination: 20000614

Application: 20000405 A1 Published application with search report

Oppn None: 030502 B1 No opposition filed: 20030211

Change: 020116 A1 Designated contracting states changed 20011127

Examination: 010404 A1 Date of dispatch of the first examination report: 20010215

Grant: 020508 B1 Granted patent

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	200014	2035
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CLAIMS B	(English)	200219	2022
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CLAIMS B	(German)	200219	1760
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CLAIMS B	(French)	200219	2215
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SPEC A	(English)	200014	13276
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SPEC B	(English)	200219	13246
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Total word count - document A		15313
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Total word count - document B		19243
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Total word count - documents A + B 34556  
INTERNATIONAL PATENT CLASS: G06F-001/00

...CLAIMS operator identifications when the image data is captured by the data capturing unit but any of the owner identifications are not acquired, and wherein the access management unit correlates the standard user identification with the image data stored by the data storing unit, and allows the stored image data to be accessed when the standard user identification correlated with the image data is verified.

15. The filing system according to claim 1, wherein the authorized user identifying unit acquires a standard user identification as one of a plurality of operator identifications when the image data is captured by the data capturing unit using a facsimile receiving function and any of the owner identifications are not acquired, and wherein the access management unit correlates the standard user identification with the image data stored by the data storing unit, and allows the stored image data to be accessed when the standard user identification correlated with the image data is verified.
16. The filing system according to claim 15, wherein the access management unit includes a standard user identification setting unit which acquires a standard user identification, the standard user identification being predetermined on a display device of a client data processing apparatus and...

...CLAIMS identifications when the image data is captured by the data capturing unit (101) but any of the owner identifications are not acquired, and wherein the access management unit (110) correlates the standard user identification with the image data stored by the data storing unit (104), and allows the stored image data to be accessed when the standard user identification correlated with the image data is verified.

15. The filing system according to claim 1, wherein the authorized user identifying unit (105) acquires a standard user identification as one of a plurality of operator identifications when the image data is captured by the data capturing unit (101) using a facsimile receiving function and any of the owner identifications are not acquired, and wherein the access management unit (110) correlates the standard user identification with the image data stored by the data storing unit (104), and allows the stored image data to be accessed when the standard user identification correlated with the image data is verified.
  16. The filing system according to claim 15, wherein the access management unit (110) includes a standard user identification setting unit which acquires a standard user identification, the standard user identification being predetermined on a display device
- ...

19/5,K/9 (Item 9 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01072668

A system and method for operating scientific instruments over wide area networks  
System und Verfahren zum Betreiben von wissenschaftlichen Instrumenten über Grossraumnetzwerke  
Systeme et méthode pour faire fonctionner des instruments scientifiques sur des réseaux étendus

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
Armonk, N.Y. 10504, (US), (Applicant designated States: all)

INVENTOR:

Edlund, Stefan B., 4540 Elmhurst Drive, San Jose, CA 95129, (US)  
Eichstaedt, Matthias, 1330 Shawn Drive, No. 2, San Jose, CA 95118, (US)  
Eigler, Donald Mark, 2100 Redwood Drive, Santa Cruz, CA 95060, (US)  
Kraft, Reiner, 1120 Bolsa Road, Gilroy, CA 95020, (US)

LEGAL REPRESENTATIVE:

Williams, Julian David (75461), IBM United Kingdom Limited, Intellectual Property Department, Hursley Park, Winchester, Hampshire SO21 2JN, (GB)  
PATENT (CC, No, Kind, Date): EP 943992 A2 990922 (Basic)  
APPLICATION (CC, No, Date): EP 99301594 990303;  
PRIORITY (CC, No, Date): US 45140 980320  
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE  
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
INTERNATIONAL PATENT CLASS: G06F-009/46

ABSTRACT EP 943992 A2

A method, apparatus, and article of manufacture for operating remote devices over wide area networks such as the Internet. The system includes client computers for interacting with users to accept commands and display results, a proxy server computer for performing intermediate processing of commands and results, and a device server computer coupled to the remote device that executes the commands and generates the results.

ABSTRACT WORD COUNT: 65

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 990922 A2 Published application without search report  
LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9938	1137
SPEC A	(English)	9938	4382
Total word count - document A			5519
Total word count - document B			0
Total word count - documents A + B			5519

INTERNATIONAL PATENT CLASS: G06F-009/46

...CLAIMS user to specify one or more parameters for the remote device.

9. The system of claim 1, wherein the client computers, proxy server computer, and device server computer each execute a command processor that facilitates the transmission of commands from the client computers to the remote device and results from the remote device to the client computers.
10. The system of claim 1, wherein the proxy server computer includes a user manager for managing a collection of users and access permissions for the commands.
11. The system of claim 10, wherein the user manager includes an access control list for each command and the user manager grants and denies permission to execute the issued commands in accordance with the access control list.

12...

19/5,K/10 (Item 10 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01033883

Server and client

Server und Klient

Serveur et client

PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216882), 1006, Kadoma,  
Kadoma-shi, Osaka-fu 571, (JP), (Proprietor designated states: all)

INVENTOR:

Ohnishi, Tatsuya, 281-5, Kawahara, Aza, Sasabe, Kawanishi-shi, Hyougo

66-01, (JP)

Wada, Hiromi, 15-10, Higashigaoka, Uzumasa, Neyagawa-shi, Osaka 572, (JP)

Chinatsu, c/o Dohsaka, 1426-3-802, Higashifutami, Futami-cho

Akashi-shi Hyogo-ken 674-0092, (JP)

LEGAL REPRESENTATIVE:

Ahmad, Sheikh Shakeel et al (85131), David Keltie Associates Fleet Place  
House 2 Fleet Place, London EC4M 7ET, (GB)

PATENT (CC, No, Kind, Date): EP 918283 A2 990526 (Basic)  
EP 918283 A3 990721  
EP 918283 B1 030219

APPLICATION (CC, No, Date): EP 99104122 931209;

PRIORITY (CC, No, Date): JP 92330573 921210; JP 9386235 930413; JP 93268132  
930929; JP 93267450 931026

DESIGNATED STATES: DE; FR; GB

RELATED PARENT NUMBER(S) - PN (AN):

EP 601860 (EP 93309919)

INTERNATIONAL PATENT CLASS: G06F-009/46 ; G06F-003/12 ; H04L-029/06

CITED PATENTS (EP B): EP 479660 A; WO 89/03086 A; US 5128878 A; US 5220674  
A

ABSTRACT EP 918283 A2

The present invention provides a server capable of providing a system in which a client can be reconnected to one server to another to use any output unit in the system without any prior knowledge thereof. The server can select an output unit to which the job request should be sent by referring to correspondence information held therein when the server receives a job request that specifies neither a type of an output unit nor a data format. Also, the server can select an available output unit for data-output in an adequate data format when it receives output data alone. Further, the server can assign a certain output unit to job requests of the same kind sent from the same client, manage the accesses to the output units, distribute output loading according to an output queue to the server, and select the most appropriate server as per condition set by a user. As well, the server can easily provide the information of the output units to a client by managing the information when the client or an output unit is connected to the server.

ABSTRACT WORD COUNT: 185

NOTE:

Figure number on first page: NONE

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 001206 A2 Date of dispatch of the first examination  
report: 20001020

Application: 990526 A2 Published application (A1with Search Report  
;A2without Search Report)

Grant: 030219 B1 Granted patent

Change: 020313 A2 International Patent Classification changed:  
20020122

Change: 030129 A2 Inventor information changed: 20021206

Examination: 990526 A2 Date of filing of request for examination:  
990302

Search Report: 990721 A3 Separate publication of the European or  
International search report

Change: 990721 A2 Obligatory supplementary classification  
(change)

Change: 991006 A2 Inventor information changed: 19990819

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199921	900
CLAIMS B	(English)	200308	903
CLAIMS B	(German)	200308	870
CLAIMS B	(French)	200308	1155
SPEC A	(English)	199921	26992
SPEC B	(English)	200308	19107
Total word count - document A			27896
Total word count - document B			22035
Total word count - documents A + B			49931

INTERNATIONAL PATENT CLASS: G06F-009/46 ...

The include an access authorization table for indicating whether an access to each output unit is authorized or not in relation with each client , an access- authorization - identifier extracting unit for extracting an identifier specifying an access authorization from the job request from the job -request- sender - client by judging whether or not the job request from the client includes the access- authorization -specifying-identifier, and an accessible output unit detecting unit for detecting an accessible output unit which is placed under a control of the readout data-output control instruction by referring to the access authorization table with the access-authorization-specifying-identifier included in the job request.

The identifier specifying the access authorization may be selected from a group...

...SPECIFICATION selecting means may include an access authorization table for indicating whether an access to each output unit is authorized or not in relation with each client , an access- authorization - identifier extracting unit for extracting an identifier specifying an access authorization from the job request from the job -request- sender - client by judging whether or not the job request from the client includes the access- authorization -specifying-identifier, and an accessible output unit detecting unit for detecting an accessible output unit which is placed under a control of the readout data-output control instruction by referring to the access authorization table with the access-authorization-specifying-identifier included in the job request.

The identifier specifying the access authorization may be selected from a group...

...CLAIMS 46) further comprises:

an access authorization table (48) for indicating whether an access to each output unit is authorized or not in relation with each client ;

an access- authorization - identifier extracting unit (47) for extracting an identifier specifying an access authorization from said job request from said job -request- sender - client by judging whether or not said job request from said client includes said access- authorization -specifying-identifier; and

an accessible output unit detecting unit for detecting an accessible output unit which is placed under a control of said readout data-output control instruction by referring to said access authorization table with said access-authorization-specifying-identifier included in said job request.

9. A server of Claim 2, wherein

said identifier specifying said access...

...CLAIMS 46) further comprises:

an access authorization table (48) for indicating whether an access to each output unit is authorized or not in relation with each client ;

an access- authorization - identifier extracting unit (47) for extracting an identifier specifying an access authorization from said job request from said job -request- sender - client by judging whether or not said job request from said client includes said access- authorization -specifying-identifier; and

an accessible output unit detecting unit for detecting an accessible output unit which is placed under a control of said readout data-output control instruction by referring to said access authorization table with said access-authorization-specifying-identifier included in said job request.

9. A server of Claim 8, wherein

said identifier specifying said access...

00605929

**Method of and apparatus for providing a client/server architecture.  
Verfahren und Anordnung zur Bereitstellung einer Client-Server-Architektur.  
Procede et dispositif pour produire une architecture du type  
"client-server".**

PATENT ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES CORPORATION, (200125), Old Orchard Road,  
Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Shriver, David I., 2702 Ansley Court, Euless, TX 76039, (US)

LEGAL REPRESENTATIVE:

de Pena, Alain (15151), Compagnie IBM France Departement de Propriete  
Intellectuelle, F-06610 La Gaudie, (FR)

PATENT (CC, No, Kind, Date): EP 598673 A1 940525 (Basic)

APPLICATION (CC, No, Date): EP 93480164 931019;

PRIORITY (CC, No, Date): US 978647 921119

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-009/46

#### ABSTRACT EP 598673 A1

An improved client / server architecture in which a server runs as part of the client's task, subtask or process when processing a request for a client. The present invention causes the server, while still appearing logically and functionally the same to the client, to temporarily run as an extension of the client, while the server is servicing a request for the client. This may be accomplished by preserving the state of the server (by saving the registers and critical storage pointers) at the point that the server is ready to accept a new work request. This state information for the server may be accessed and used later by the client to transfer control to the server code, to resume the server's operation. The client's request may then be passed as arguments (parameters) on the call. Unlike message passing, this does not necessarily involve data transfer, as only the address of the request data may be passed. (see image in original document)

ABSTRACT WORD COUNT: 164

#### LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 940525 A1 Published application (A1with Search Report  
;A2without Search Report)

Examination: 941123 A1 Date of filing of request for examination:  
940927

Withdrawal: 961030 A1 Date on which the European patent application  
was deemed to be withdrawn: 960501

\*Assignee: 970205 A1 Applicant (transfer of rights) (change):  
International Business Machines Corporation  
(200120) Old Orchard Road Armonk, N.Y. 10504  
(US) (applicant designated states: DE;FR;GB)

LANGUAGE (Publication,Procedural,Application): English; English; English

#### FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	306
SPEC A	(English)	EPABF2	2453
Total word count - document A			2759
Total word count - document B			0
Total word count - documents A + B			2759

INTERNATIONAL PATENT CLASS: G06F-009/46

...SPECIFICATION the further advantage of providing an improved client / server architecture.

The present invention has the further advantage of providing a more efficient method of client / server operation as there is reduced task switching and inter-process communication involved. A more efficient direct program to program transfer of control with parameter passing as arguments results in a shorter code path length and less...  
...invention has the further advantage of providing improved security as

the server, when it is running as part of the client tasks, inherits the same authority as the client. This assumes that security authorization for access to resources is managed on a client by client (or task by task) basis.

The present invention has the further advantage of simplifying and reducing system accounting overhead as...

19/5,K/17 (Item 17 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00421296

Transaction system security method and apparatus.  
Sicherheitsvorrichtung und -verfahren fur Transaktionssystem.  
Methode et appareil de securite pour un systeme de transactions.

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB;IT)

INVENTOR:

Abraham, Dennis George, 5795 Gettysburg Drive, Concord, North Carolina,  
28025, (US)  
Aden, Steven George, 5641 Mallard Drive, Charlotte, North Carolina 28227,  
(US)  
Arnold, Todd Weston, 2008 Bantry Lane, Charlotte, North Carolina 28213,  
(US)  
Neckyfarow, Steven William, 16 Chevron Drive, Charlotte, North Carolina  
28211, (US)  
Rohland, William Stanley, 4234 Rotunda Road, Charlotte, North Carolina  
28226, (US)

LEGAL REPRESENTATIVE:

Schafer, Wolfgang, Dipl.-Ing. (62021), IBM Deutschland  
Informationssysteme GmbH Patentwesen und Urheberrecht, D-70548  
Stuttgart, (DE)

PATENT (CC, No, Kind, Date): EP 421409 A2 910410 (Basic)  
EP 421409 A3 910529

APPLICATION (CC, No, Date): EP 90119012 901004;

PRIORITY (CC, No, Date): US 418068 891006

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: G07F-007/10; G06F-001/00 ; G06F-015/30 ;  
H04L-009/32

CITED PATENTS (EP A): GB 2204971 A; EP 165789 A

CITED REFERENCES (EP A):

COMPUTERS & SECURITY. vol. 6, no. 5, 1987, AMSTERDAM NL pages 385 - 395;  
spender: "identifying computer users with authentication devices  
(tokens)"

ABSTRACT EP 421409 A2

An improved security system is disclosed which uses especially an IC card to enhance the security functions involving component authentication, user verification, user authorization and access control, protection of message secrecy and integrity, management of cryptographic keys, and auditability. Both the security method and the apparatus for embodying these functions across a total system or network using a common cryptographic architecture are disclosed. Authorization to perform these functions in the various security component device nodes in the network can be distributed to the various nodes at which they will be executed in order to personalize the use of the components.

ABSTRACT WORD COUNT: 104

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 910410 A2 Published application (A1with Search Report  
;A2without Search Report)

Examination: 910410 A2 Date of filing of request for examination:  
901213

Search Report: 910529 A3 Separate publication of the European or  
International search report

Examination: 930929 A2 Date of despatch of first examination report:

930813

Change: 940921 A2 Representative (change)  
Withdrawal: 971029 A2 Date on which the European patent application  
was deemed to be withdrawn: 970501

LANGUAGE (Publication, Procedural, Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1082
SPEC A	(English)	EPABF1	8287
Total word count - document A			9369
Total word count - document B			0
Total word count - documents A + B			9369

...INTERNATIONAL PATENT CLASS: G06F-001/00 ...

... G06F-015/30

...SPECIFICATION the manufacture of the IC card. Required conditions for the execution of each command are individually programmable by the application owner, using command configuration data. Access to a command is controlled by the content of a user's authorization profile in conjunction with the command configuration data for the requested command.

The user profiles may be downloaded into other security devices in the system for the purpose of controlling use of commands, files, and programs in system component devices, in addition to the IC card itself. The downloaded profile temporarily replaces the authorization profile already active in the other device .

The device command configuration data is not downloaded . The downloaded user authorization profile defines the user 's security level and authorizations, while the device command configuration data defines the authorization required by that device to execute a requested command in that device. The same or different commands in other devices to which the user 's authorization profile is transferred may have greater or lesser security requirements defined in their command configurations.

The cryptographic keys associated with file and program authorization flag bits...

19/5,K/21 (Item 21 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS  
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00270942

Adjunct processor for providing computer facility access protection via call transfer.

Zusatzverarbeitungseinheit zum Rechnereinrichtungszugriffsschutz durch Rufübertragung.

Unité de traitement auxiliaire pour assurer la protection d'accès aux installations de calculateur par transfert d'appel.

PATENT ASSIGNEE:

AMERICAN TELEPHONE AND TELEGRAPH COMPANY, (589370), 550 Madison Avenue,  
New York, NY 10022, (US), (applicant designated states:  
AT;BE;CH;DE;FR;GB;IT;LI;NL;SE)

INVENTOR:

Barron, Salvador, 11755 Decatur Street Apt.D301, Westminster Colorado  
80234, (US)

Coffman, James Eugene, 4560 Martin Drive, Boulder Colorado 80303, (US)

LEGAL REPRESENTATIVE:

Buckley, Christopher Simon Thirsk et al (28913), AT&T (UK) LTD. 5  
Mornington Road, Woodford Green, Essex IG8 OTU, (GB)

PATENT (CC, No, Kind, Date): EP 262859 A1 880406 (Basic)  
EP 262859 B1 911211

APPLICATION (CC, No, Date): EP 87308411 870923;

PRIORITY (CC, No, Date): US 913288 860930

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; NL; SE

INTERNATIONAL PATENT CLASS: G06F-001/00

CITED PATENTS (EP A): US 4531023 A; US 4096356 A; US 4096356 A

CITED REFERENCES (EP A):

IBM TECHNICAL DISCLOSURE BULLETIN, vol. 22, no. 9, February 1980, pages 4196-4197, Armonk, New York, US; J.T. POWERS, Jr.: "Switched lines access restrictor"

IEEE SPECTRUM, vol. 9, no. 1, January 1972, pages 67-78, US; C.W. BEARDSLEY: "Is your computer insecure?"

ELECTRONICS INTERNATIONAL, vol. 57, no. 5, 8th March 1984, pages 131-135, New York, US; J. SMITH: "Call-back schemes ward off unwanted access by telephone"

Idem;

#### ABSTRACT EP 262859 A1

This adjunct processor arrangement performs a centralized call screening function to provide computer port access security. Every call origination in the telephone switching system from a calling party (T100) to a protected computer port (130) is interdicted by the telephone switching system and routed to the adjunct processor (104). The calling party (T100) receives a series of prompts from the adjunct processor (104) to provide identification information, such as login, password, and voiceprint information. The adjunct processor (104) validates the identity of the calling party (T100) using this identification indicia and initiates a callback operation. The adjunct processor (104) disconnects the calling party (T100) from the connection, calls the calling party (T100) back and then uses the data call transfer capability of the telephone switching system to connect the calling party to the computer (113).

ABSTRACT WORD COUNT: 137

#### LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 880406 A1 Published application (A1with Search Report ;A2without Search Report)

Examination: 881130 A1 Date of filing of request for examination: 880928

Examination: 900816 A1 Date of despatch of first examination report: 900703

Change: 910626 A1 Representative (change)

Grant: 911211 B1 Granted patent

Lapse: 920701 B1 Date of lapse of the European patent in a Contracting State: CH 911211, LI 911211

Lapse: 920812 B1 Date of lapse of the European patent in a Contracting State: CH 911211, LI 911211, NL 911211

Lapse: 920909 B1 Date of lapse of the European patent in a Contracting State: BE 911211, CH 911211, LI 911211, NL 911211

Lapse: 921111 B1 Date of lapse of the European patent in a Contracting State: AT 911211, BE 911211, CH 911211, LI 911211, NL 911211

Oppn None: 921202 B1 No opposition filed

LANGUAGE (Publication, Procedural, Application): English; English; English

#### FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS B	(English)	EPBBF1	616
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CLAIMS B	(German)	EPBBF1	600
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CLAIMS B	(French)	EPBBF1	808
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SPEC B	(English)	EPBBF1	3668
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Total word count - document A			0
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Total word count - document B			5692
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Total word count - documents A + B			5692
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INTERNATIONAL PATENT CLASS: G06F-001/00

...SPECIFICATION improved level of security for the computer system, but to equip each callback unit with such equipment renders the cost of security beyond the reach of almost every computer system manager.

US -A- 4531023 discloses a business communication system in which an adjunct processor provides computer facility access protection. The call is routed directly to the entrance to the access port of the central

computer, where the call waits while an offsite security computer validates the caller's identity. When the offsite computer signals acceptance to the central computer, the latter completes the call connection to the caller.

US-A-4096356 discloses a business communication system which involves call rerouting. However, there is no mention of any application to caller validation in a system for accessing a computer, and hence no

...

...No. 5, 8th March 1984, pages 131-135, New York, US; J. Smith: "Call-back schemes ward off unwanted access by telephone" discloses a business communication system involving computer facility access protection, apparently involving a form of internal call rerouting within the security equipment. The security processor remains connected to the calling party after the screening process...

19/5,K/22 (Item 22 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00235011

SECURE COMPUTER SYSTEM.

GESICHERTES RECHNERSYSTEM.

SYSTEME INFORMATIQUE AVEC SECURITE.

PATENT ASSIGNEE:

PHILIPSZ, Basil Eliseus, (849090), 4A Erlington Avenue Firswood,  
Manchester M16 0FW, (GB), (applicant designated states: GB;LU;NL;SE)

INVENTOR:

PHILIPSZ, Basil Eliseus, 4A Erlington Avenue Firswood, Manchester M16 0FW  
(GB)

LEGAL REPRESENTATIVE:

Allman, Peter John et al (27671), MARKS & CLERK Suite 301 Sunlight House  
Quay Street, Manchester M3 3JY, (GB)

PATENT (CC, No, Kind, Date): EP 236412 A1 870916 (Basic)  
EP 236412 B1 920429  
WO 8701835 870326

APPLICATION (CC, No, Date): EP 86905362 860911; WO 86GB541 860911

PRIORITY (CC, No, Date): GB 8522569 850912

DESIGNATED STATES: GB; LU; NL; SE

INTERNATIONAL PATENT CLASS: G06F-001/00

CITED PATENTS (WO A): WO 8503785 A; EP 135422 A; EP 128672 A; US 4377852 A

CITED REFERENCES (EP A):

See also references of WO8701835;

CITED REFERENCES (WO A):

Computer, Volume 17, No. 3, March 1984, (Long Beach, Ca., US), "Security Device Eliminates Passwords and Encryption", page 99 see the whole article and figure

IDEM

IDEM

IBM Technical Disclosure Bulletin, Volume 27, No. 4B, September 1984,  
(Armonk, US) ABERNATHY et al.: "Access Protection Mechanism", pages  
2681-2682 see the whole article

IBM Technical Disclosure Bulletin, Volume 18, No. 10, March 1976,  
(Armonk, US), SIMPSON et al.: "Unauthorized Use Protection for a Computer", pages 3197-3198 see the whole article;

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 870916 A1 Published application (A1with Search Report  
;A2without Search Report)

Examination: 871119 A1 Date of filing of request for examination:  
870925

Change: 871202 A1 Representative (change)

Examination: 891220 A1 Date of despatch of first examination report:  
891107

Grant: 920429 B1 Granted patent

Lapse: 921119 B1 Date of lapse of the European patent in a

Contracting State: SE 920429  
Oppn None: 930421 B1 No opposition filed  
Lapse: 991229 B1 Date of lapse of European Patent in a  
contracting state (Country, date): LU  
19920930, SE 19920429,

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	713
CLAIMS B	(German)	EPBBF1	665
CLAIMS B	(French)	EPBBF1	744
SPEC B	(English)	EPBBF1	7781
Total word count - document A			0
Total word count - document B			9903
Total word count - documents A + B			9903

INTERNATIONAL PATENT CLASS: G06F-001/00

...SPECIFICATION NP Completeness" by M.R. Garey and D.S. Johnson, published  
by W.H. Freeman & Co. New York, 1979.

It is also possible to transmit a command by a responder unit  
which actually changes a specific element in the user profile matrix,  
for example, PIN numbers. Thus, it is possible to dynamically change data  
in a particular users' responder to increase or decrease user  
clearance levels or modify personnel identification numbers. This, for  
example, allows a security manager to dynamically adjust the access  
to programs or databases based on changes in commercial philosophy, for  
example if one of the subsidiaries of an organisation was to be sold off  
...

19/5,K/37 (Item 15 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00828874

ACCESS CONTROL VIA PROPERTIES SYSTEM

CONTROLE D'ACCES VIA UN SYSTEME DE PROPRIETES

Patent Applicant/Assignee:

NETSCAPE COMMUNICATIONS CORPORATION, 501 E. Middlefield Road, Mountain  
View, CA 94043, US, US (Residence), US (Nationality), (For all  
designated states except: US)

Patent Applicant/Inventor:

BEHERA Prasanta, 40686 Caliente Way, Fremont, CA 94539, US, US  
(Residence), -- (Nationality), (Designated only for: US)

Legal Representative:

GLENN Michael (et al) (agent), Glenn Patent Group, Ste. L., 3475 Edison  
Way, Menlo Park, CA 94025, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200161487 A2-A3 20010823 (WO 0161487)

Application: WO 2001US1554 20010116 (PCT/WO US0101554)

Priority Application: US 2000507536 20000218

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK  
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/46

International Patent Class: H04L-029/06

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 3647

#### English Abstract

An access control via properties system provides ACL rules based on the properties associated with the entries, thereby taking advantage of the fact that there are inherent properties associated with each entry and does not require any changes to the schema. Once the server supports the invention, the system administrator creates a few simple ACL rules and is done. The invention structures the ACL rule such that it indicates the attributes that the administrator has selected for user access and specifies the type of access to be granted to a user which can include: read, write or any other privileges that the system supports. The desired attributes that the user must have to be granted such access is also listed along with the attribute fieldname associated with the desired attributes. The directory server will match the desired attributes within the specified attribute fieldname with the user's attributes and allows access to the directory entry only if the user has the desired attribute values. Alternatively, a match function can be specified for the desired attributes where the directory server matches the desired attributes with the user and the owner of the list of attributes and allows access to the directory entry only if both the user and the owner have the desired attribute values. When a user accesses a directory entry, the directory server selects and analyzes a specific access control command according to the attribute being accessed.

#### French Abstract

La presente invention concerne un controle d'accès via un systeme de proprietes realisant des regles ACL de liste de controle d'accès reposant sur les proprietes associees aux rubriques, ce qui permet de tirer partie du fait que des proprietes inherentes sont associees a chaque rubrique, sans modifier de schema. Dans la mesure ou le serveur est compatible avec l'invention, il suffit a l'administrateur systeme de creer quelques regles ACL. L'invention vient structurer la regle ACL de facon qu'elle indique les attributs que l'administrateur veut laisser accessible a l'utilisateur, puis elle specifie le type d'accès a accorder a un utilisateur, ce qui peut etre un acces en lecture, en ecriture, ou tous autres privileges compatibles avec le systeme. Les attributs dont on attend que l'utilisateur dispose pour que lui soit accorde un tel acces sont egalement enumeres accompagnes du nom de zone d'attribut associe a l'attribut considere. Le serveur de repertoire met normalement en correspondance avec les attributs de l'utilisateur les attributs souhaites dans les limites du nom de zone de l'attribut specifie, puis il n'autorise l'accès a la rubrique de repertoire que si l'utilisateur dispose des valeurs d'attribut souhaitees. Selon un autre mode de realisation, on peut specifier une fonction de mise en concordance pour les attributs souhaites auquel cas le serveur de repertoire met en concordance les attributs souhaites avec l'utilisateur et le proprietaire de la liste d'attributs, puis il n'autorise l'accès a la rubrique de repertoire que si l'utilisateur ainsi que le proprietaire disposent effectivement des valeurs d'attributs souhaitees. Lorsqu'un utilisateur accede a une rubrique de repertoire, le serveur de repertoire selectionne et analyse une commande specifique de controle d'accès tenant compte de l'attribut en cours d'accès.

#### Legal Status (Type, Date, Text)

Publication 20010823 A2 Without international search report and to be republished upon receipt of that report.  
Examination 20011129 Request for preliminary examination prior to end of 19th month from priority date  
Search Rpt 20020613 Late publication of international search report  
Republication 20020613 A3 With international search report.  
Republication 20020613 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Main International Patent Class: G06F-009/46

Fulltext Availability:

Detailed Description

Detailed Description

... type of access to be granted to a user which can include: read, write, or any other

2

privileges that the system supports. The desired **attributes** that the **user** must have to be granted such access is also listed.

The attribute **fieldname** associated with the desired attributes is specified in the **access control command**. The **directory server** will match the desired attributes within the specified **attribute** **fieldname** with the **user**'s **attributes**. It will allow access to the directory entry only if the **user** has the desired **attribute** values.

Alternatively, a match function can be specified for the desired attributes. The 1 0 directory server matches the desired **attributes** with the **user** and the owner of the list of attributes and allows access to the directory entry only if the both the user and the owner have...

19/5,K/56 (Item 34 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00766059 \*\*Image available\*\*

QUERY INTERFACE TO POLICY SERVER

INTERFACE D'INTERROGATION VERS SERVEUR DE REGLES

Patent Applicant/Assignee:

INTERNET DYNAMICS INC, 3717 E. Thousand Oaks Boulevard, Westlake Village,  
CA 91362, US, US (Residence), US (Nationality), (For all designated  
states except: US)

Patent Applicant/Inventor:

HANNEL Clifford Lee, 3178 Futura Point, Thousand Oaks, CA 91362, US, US  
(Residence), US (Nationality), (Designated only for: US )  
MAY Anthony Allan, 6644 Glade Avenue #217, Woodland Hills, CA 91303, US,  
US (Residence), CA (Nationality), (Designated only for: US )

Legal Representative:

NELSON Gordon E, 57 Central Street, P.O. Box 782, Rowley, MA 01969, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200079434 A1 20001228 (WO 0079434)

Application: WO 2000US17078 20000621 (PCT/WO US0017078)

Priority Application: US 99140417 19990622

Designated States: AU JP SG US

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: G06F-017/30

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 54190

English Abstract

A scalable access filter that is used together with others like it in a virtual private network to control access by users at clients in the network to information resources provided by servers in the network. Each access filter use a local copy of an access control data base (3845) to determine whether an access request is made by a user. Each user belongs to one or more user groups and each information ressource belongs to one or more information sets. Access is permitted or denied according to access policies which define access in terms of the user groups and information sets. The first access filter in the path performs the access check, encrypts and authenticates the request; the other access filters in the path do not repeat the access check. The interface used by applications to determine whether a user has access to an entity is now an SQL query. The policy server (3811) assembles the information needed for the response to the query from various information sources, including source external to the policy server.

French Abstract

L'invention concerne un filtre d'accès scalaire utilisé avec d'autres filtres similaires dans un réseau privé virtuel afin de contrôler l'accès des utilisateurs à des clients du réseau pour obtenir des ressources d'informations fournies par des serveurs sur le réseau. Chaque filtre d'accès utilise une copie locale d'une base de données de contrôle d'accès (3845) pour déterminer si la demande d'accès est effectuée par un utilisateur. Chaque utilisateur appartient à au moins un groupe d'utilisateurs et chaque ressource d'informations appartient à au moins un ensemble d'informations. L'accès est autorisé ou refusé en fonction des politiques d'accès qui définissent l'accès en terme des groupes d'utilisateurs et des ensembles d'informations. Le premier filtre d'accès dans la voie effectue la vérification d'accès, décrypte, et authentifie la demande, les autres filtres d'accès dans la voie ne répètent pas la vérification d'accès. L'interface utilisée par les applications pour déterminer si un utilisateur a accès à une entité est alors une demande SQL. Le serveur de règles (3811) assemble les informations requises pour la réponse à la demande émanant de plusieurs sources d'informations, y compris une source externe audit serveur.

Legal Status (Type, Date, Text)

Publication 20001228 A1 With international search report.

Examination 20010802 Request for preliminary examination prior to end of 19th month from priority date

Main International Patent Class: G06F-017/30

Fulltext Availability:

Detailed Description

Detailed Description

... One example of this process is the technique described in the discussion of access filter 203 by means of which access filter 203 obtains additional identification information about a user. If the information which policy server 2617 obtains from policy server database 2619 and other sources indicates that the action is permitted, policy server 2617 sends a policy response 2615 that so indicates and policy enforcer 2609 performs the action as indicated at 2610 and returns 82 the result via action...

19/5,K/59 (Item 37 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00537506 \*\*Image available\*\*

GENERALIZED POLICY SERVER

SERVEUR DE PROCEDURE GENERALISEE

Patent Applicant/Assignee:

INTERNET DYNAMICS INC,  
HANNEL Clifford L,  
LIPSTONE Laurence R,  
SCHNEIDER Davis S,

Inventor(s):

HANNEL Clifford L,  
LIPSTONE Laurence R,  
SCHNEIDER Davis S,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200000879 A2 20000106 (WO 0000879)

Application: WO 99US14585 19990628 (PCT/WO US9914585)

Priority Application: US 9891130 19980629

Designated States: AU JP SG US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC  
NL PT SE

Main International Patent Class: G06F-015/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 35547

#### English Abstract

A policy system includes the policy server (2617); a policy database (2619) which located at policy decision point (2723); the access/response entity (2603); resource server (2711); policy message (2725) and policy enforcement point (2721). System connected through public network (2702) or internal network (103). The access filter (107, 203, 403) control access by use a local copy of an access control data base to determine whether an access request made by a user. Changes made by administrators in the local copies are propagated to all of the other local copies. Access is permitted or denied according to of access policies (307) which define access in terms of the user groups (Fig 9-12) and information sets (Fig 13A-18). The rights of administrators are similarly determined by administrative policies (Fig 23A-C). Access is further permitted only if the trust levels of the network by which is made by the sufficient access (Fig 25-29). A policy server component of the access filter has been separated from the access filter and the policies have been generalized to permit administrators of the policy server to define new types of actions and new types of entities. Policies may now further have specifications for time intervals during which the policies are in force and the entities may be associated with attributes that specify how the entity is to be used when the policy applies.

#### French Abstract

La presente invention concerne un filtre d'accès évolutif, utilise ensemble avec d'autres filtres semblables dans un réseau privé virtuel, destiné à contrôler l'accès, par des utilisateurs chez des clients du réseau, aux ressources d'information mises à disposition par des serveurs du réseau. Chaque filtre d'accès utilise une copie locale d'une base de données de contrôle d'accès afin de déterminer si une requête d'accès est effectuée par un utilisateur. Des changements effectués par des administrateurs dans des copies locales sont propagés à toutes les autres copies locales. Chaque utilisateur appartient à un ou à plusieurs groupes d'utilisateurs et chaque ressource d'information appartient à un ou plusieurs ensembles d'informations. Un accès est permis ou refusé selon des procédures d'accès qui le définissent en termes de groupes d'utilisateurs et d'ensembles d'informations. Les droits des administrateurs sont déterminés de manière semblable par des procédures administratives. En outre un accès est permis seulement si les niveaux de confiance d'un mode d'identification de l'utilisateur et du chemin dans le réseau, par lequel est effectué l'accès, sont suffisants en regard du niveau de sensibilité de la ressource d'information. Si nécessaire, le filtre d'accès code automatiquement la demande à l'aide d'une méthode de codage dont le niveau de confiance est suffisant. Le premier filtre d'accès dans le chemin met en œuvre le test d'accès, code et authentifie la demande ; les autres filtres d'accès du chemin ne répètent pas le test d'accès. Un composant de serveur de procédure de filtre d'accès a été séparé du filtre d'accès et les procédures ont été généralisées afin de permettre aux administrateurs du serveur de procédure de définir de nouveaux types d'actions et de nouveaux types d'entités pour lesquelles des procédures peuvent être mises en place. Des procédures peuvent maintenant comporter, en plus, des spécifications de durées pendant lesquelles les procédures font autorité, et les entités peuvent être associées avec des attributs qui spécifient comment l'entité doit être utilisée lorsque la procédure s'applique.

Main International Patent Class: G06F-015/00

Fulltext Availability:

Detailed Description

#### Detailed Description

... policy-related information 2623 from any location accessible to policy server 2617. One example of this process is the technique described in the discussion of **access filter** 203 by means of which **access filter** 203 obtains additional **identification** information about a **user**, If the information which policy server 2617 obtains from policy server database 2619 and other sources indicates that the **action** is permitted, policy server 2617 sends a policy response 2615 that so indicates to and policy enforcer 2609 performs the action as indicated at 2610 and

23/5,K/6 (Item 6 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01291321

Apparatus and method for digital data transmission  
Vorrichtung und Verfahren zur digitalen Datenübertragung  
Dispositif et procédé de transmission de données numériques

PATENT ASSIGNEE:

Terayon Communication Systems, Inc., (2769080), 2952 Bunker Hill Lane,  
Santa Clara, CA 95054, (US), (Applicant designated States: all)

INVENTOR:

Rakib, Selim Shlomo, 10271 West Acres,, Cupertino, California 95014, (US)  
Azenkot, Yehuda, 1128 Littleoak Circle, San Jose, California 95129, (US)

LEGAL REPRESENTATIVE:

Brax, Matti Juhani (85201), Berggren Oy Ab, P.O. Box 16, 00101 Helsinki,  
(FI)

PATENT (CC, No, Kind, Date): EP 1107598 A2 010613 (Basic)  
EP 1107598 A3 020116

APPLICATION (CC, No, Date): EP 2001104542 960725;

PRIORITY (CC, No, Date): US 519630 950825; US 588650 960119; US 684243  
960719

DESIGNATED STATES: BE; DE; FR; GB; IE; NL

RELATED PARENT NUMBER(S) - PN (AN):

EP 858695 (EP 96927270)

INTERNATIONAL PATENT CLASS: H04N-007/173; H04L-012/28; H04J-011/00;  
H04J-013/02; H04J-003/06; H04B-001/707; H04L-005/02

ABSTRACT EP 1107598 A2

A method and apparatus for carrying out synchronous co-division multiple access (SCDMA) communication of multiple channels of digital data over a shared transmission media (1162). The system includes modems at remote units (1164) and a central unit (1160) to receive time division multiplexed digital data arranged into timeslots or channels and uses orthogonal codes to encode each channel of multiple data and spread the energy of each channel data over a frame of data transmitted in a code domain. Frames are synchronized as between remote (1164) and central units (1160) using a ranging scheme which is also useful in any other system transmitting data by frames in a distributed system where synchronizing the frames as between all units regardless of differences in propagation delays is necessary. Each frame in the SCDMA modulation scheme includes a gap or guardband containing no other data.

ABSTRACT WORD COUNT: 143

NOTE:

Figure number on first page: 49

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 010613 A2 Published application without search report

Examination: 010613 A2 Date of request for examination: 20010319

Change: 010829 A2 International Patent Classification changed:  
20010712

Change: 010926 A2 Inventor information changed: 20010806

Search Report: 020116 A3 Separate publication of the search report

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available	Text	Language	Update	Word Count
CLAIMS	A	(English)	200124	2110
SPEC	A	(English)	200124	67900
Total word count - document	A			70010
Total word count - document	B			0
Total word count - documents	A + B			70010

...SPECIFICATION two channels, one of which amplifies signals in a high frequency range from 45-750 mHz for transmission of data from the head end to **subscribers**, and the other of which amplifies signals in a low frequency range from 5-42 mHz for transmission of data from the **subscribers** to the...the subscriber via an access request. This request is sent via a message on a randomly selected one of 8 of the 16 command

and control channels devoted to access requests and downstream messages. The 8 access request channels are constantly monitored by the CU. The CU then sends a reply message telling the requesting...However, in the preferred embodiment, there are 128 data channels plus 16 management and control channels, for a total of 144 channels. Of the 16 management and control channels, 4 are access channels which carry traffic from the RUs to the CU requesting bandwidth and relinquishing awarded channels after the RU is finished using the channels awarded...transmitter of Figure 28A is used in the transceivers of the RU modems. The CU transmitters are identical except there is no need for the access control circuitry 540 or the multiplexer 544.

In Figure 28A, block 506 is the diversity code shuffler that implements the time to code transformation. The code...

...548 in the order dictated by write addresses on bus 533. Elsewhere herein, the manner in which the multiplexer 544 is operated to overlay media access control data on buses 542r and 542i with payload data on buses 517r and 517i in buffer 548 is described. Buffer 548, when fully written, during...of Figure 28A is a register or memory storing command and control data such as the pilot channel signal to be transmitted on the 16 access and command and control channels. This data arrives on bus 398 from the CPU 405. Block 516 is a multiplexer which selects between the payload data for the 128...

...during each symbol. The encoder has three modes previously described, and the diversity shuffler 506 controls the mode by a signal on bus 534.

#### Media Access Control

Block 540 represents circuitry to acquire an access channel and carry out media access control communications to implement ISO MAC layer protocols. Since there are only 4 access channels across which all message traffic requesting channel bandwidth and awarding same...

...tables.

Once an access channel is acquired, circuit 540 may, in some embodiments, present data on buses 542r and 542i to multiplexer 544 which comprise access control messages that are sent on the 4 access channels of the 144 total channels. Multiplexer 544 either selects these media access messages on buses 542r...

...controlled by switching control signals from the CPU 405 to edit the contents of the buffer 548 to overlay the 4-bit groups of the access control symbols with the payload data on bus 507 so that the media access control 4-bit groups go into the right addresses of the buffer 548 so as to get spread by the CDMA codes assigned to the access channels.

The media access control messages constitute requests from RUs for bandwidth and awards of specific channels to the RUs by the CU in some embodiments. The awards of specific...

...the number of contentions and efficiency considerations.

Because a reservation scheme is implemented in the preferred embodiment, no contentions occur on the 140 non media access control payload channels so no contention resolution protocols are carried out for these channels since there will be no contentions. However, contentions are expected to occur on the 4 access control channels shared between all the RUs so contention resolution will have to be carried out in the manner described elsewhere herein.

Spreading of the chips...850 via bus 854. The command control code data is input to C3 circuit 860 from the Viterbi Decoder via bus 854. The CPU 405 accesses the command and control data and access channel communications from the C3 circuit 860 and the access channel circuit 862 via bus 1096. The processing of the command and control channel codes and access channel codes may also occur in circuits 860 and 862, respectively, in alternative embodiments without interaction with the CPU, ...barker code to transmit.

In the preferred embodiment, command, communication and control (C3) circuit 860 receives message traffic involved in the ranging, authentication and media access control processes as detailed in the

flow charts of Figures 7-9 and Figures 29-33 and transmits this data to CPU 405 via bus 1096...

23/5,K/7 (Item 7 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00952494

Communication system

Kommunikationssystem

Système de communication

PATENT ASSIGNEE:

VICTOR COMPANY OF JAPAN, LTD., (278642), 12, Moriya-Cho 3-Chome,  
Kanagawa-Ku, Yokohama-Shi, Kanagawa-Ken, (JP), (Applicant designated  
States: all)

INVENTOR:

Onodera, Katsuya, 2-9-23-M2-206, Sagamioono, Sagamihara-shi, Kanagawa-ken  
, (JP)  
Kumagai, Nobuaki, 1-11-20-102, Ookubo, Koonan-ku, Yokohama-shi,  
Kanagawa-ken, (JP)

LEGAL REPRESENTATIVE:

Poulin, Gerard et al (17984), BREVALEX 3, rue du docteur Lancereaux,  
75008 Paris, (FR)

PATENT (CC, No, Kind, Date): EP 863684 A2 980909 (Basic)  
EP 863684 A3 000517

APPLICATION (CC, No, Date): EP 98400492 980302;

PRIORITY (CC, No, Date): JP 9763754 970303; JP 9782196 970314

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04Q-007/24; H04Q-007/26

#### ABSTRACT EP 863684 A2

The communication system 1 comprises the network 70, the circuit controller 10, the ISDN I/F (Integrated Services Network Interface) 20, the PSTN I/F (Private Switched Telephone Network Interface) 30, and the radio base station 40, wherein the circuit controller 10 and the radio base station 40 are connected to the network 70 and communication between mobile radiotelephones 51 through 53 is performed by means of the radio base station 40. Further, the mobile radiotelephone 51 can communicate with other telephone equipment which are connected to the network 70. Furthermore, the mobile radiotelephone 51 can communicate with external telephone equipment which are connected to the analog telephone network 65 or the ISDN network 60 through the PSTN I/F 30 or the ISDN I/F 20. These communication are controlled by the radio base station 40, the circuit controller 10, and terminal equipment such as the ISDN I/F 20 and the PSTN I/F 30.

ABSTRACT WORD COUNT: 152

#### NOTE:

Figure number on first page: 1

#### LEGAL STATUS (Type, Pub Date, Kind, Text):

Search Report: 000517 A3 Separate publication of the search report  
Application: 980909 A2 Published application (A1with Search Report  
;A2without Search Report)

Change: 030507 A2 Legal representative(s) changed 20030319

Examination: 001018 A2 Date of request for examination: 20000812

LANGUAGE (Publication, Procedural, Application): English; English; English

#### FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9837	1887
SPEC A	(English)	9837	8238
Total word count - document A			10125
Total word count - document B			0
Total word count - documents A + B			10125

...SPECIFICATION section 13 of a terminal number of the mobile radiotelephone 51 and the telephone number to be connected. The circuit connection processor section 13 makes access to the call state

managing section 14 for searching whether a vacant line is available or not. The call state managing section 14 sends an available terminal ID (IDentification) number back to the circuit connection processor section 13 whenever the circuit connection processor section 13 makes access to the call state managing section 14, wherein the call state managing section 14 is always monitoring call state of each telephone connected to the network 70. The circuit connection...

...40 when the circuit controller control section 13 finds an available terminal, and demands the PSTN I/F 30 to issue a "Call setup request" command. The communication processor section for terminal equipment 11 composes the "Call proceeding" command and transmits it to the radio base station 40 (step S2), and also composes the "Call setup request..."

23/5,K/9 (Item 9 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00917879

Camera control system

Kamerasteuersystem

Système de contrôle de camera

PATENT ASSIGNEE:

CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP), (Proprietor designated states: all)

INVENTOR:

Suzuki, Kazuko, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)

Kawai, Tomoaki, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Pellmann, Hans-Bernd, Dipl.-Ing. et al (9227), Patentanwaltsburo Tiedtke-Buhling-Kinne & Partner Bavariaring 4-6, 80336 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 837605 A2 980422 (Basic)

EP 837605 A3 990915

EP 837605 B1 030409

APPLICATION (CC, No, Date): EP 97117788 971014;

PRIORITY (CC, No, Date): JP 96272300 961015

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04N-007/14; H04N-007/18; H04N-005/232

CITED PATENTS (EP B): EP 729275 A; EP 734157 A

CITED REFERENCES (EP B):

THOUVENOT N: "URBAN VIDEO SURVEILLANCE SYSTEM" ELECTRICAL COMMUNICATION, 1 April 1994 (1994-04-01), pages 143-147, XP000461584 ISSN: 0013-4252;

ABSTRACT EP 837605 A2

A display authorization area corresponding a user is selected from maps stored in a device, only the selected zone is displayed, and a camera which is not authorized for the user to perform information communication is inhibited from being displayed. With this arrangement, a camera control system having so excellent security that any user cannot see a place irrelevant to the user and cannot recognize the position of an installed camera is constructed.

ABSTRACT WORD COUNT: 13678

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 011114 A2 Date of dispatch of the first examination report: 20010926

Examination: 20000329 A2 Date of request for examination: 20000128

Grant: 030409 B1 Granted patent

Application: 980422 A2 Published application (A1with Search Report ;A2without Search Report)

Change: 990915 A2 International Patent Classification changed: 19990727

Search Report: 990915 A3 Separate publication of the search report

LANGUAGE (Publication, Procedural, Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200315	1065
CLAIMS B	(German)	200315	912
CLAIMS B	(French)	200315	1202
SPEC B	(English)	200315	5657
Total word count - document A			0
Total word count - document B			8836
Total word count - documents A + B			8836

...SPECIFICATION to/from another video communication terminal 20 via the network 52.

The camera management server 50 manages all the cameras 10 (10a, 10b, 10c...) included in the video communication terminal 20 connected to the network 52 to have present information such as camera names, host names (user names), group names to which the users belong...

...zooming operation. These buttons may be operated to perform a rotating operation and a zooming operation to an arbitrarily designated camera 10 (10a, 10b, 10c...).

For example, when a camera is accessed from a video communication terminal 20, a target camera icon is double-clicked using the mouse 28. According to this operation, the camera control client 56 requests... display a camera icon corresponding to an authorized camera.

The camera control client 56 acquires a user name step S1. In step S2, the camera control client 56 calls a map access table and a group table included in the secondary storage device 26 in which management information output from the camera management server 50 is stored.

The map access table has an arrangement shown in FIG. 7. In the map access table, an authorization group and an authorization user are set for each map...

...the authorization group, the camera control client 56 refers to the map authorization user on the map access table in FIG. 7 (S7) to check whether the user which is not included in the authorization group is included in the camera authorization user list (S8).

If the map is included in the authorization user list, then the map is displayed on the map list 68 (S9).

Upon completion of a check of map 1,  $x = 1 + 1 = 2$  is counted in step S22, and an authorization check for map 2 is started.

The above check is sequentially performed up to map n. When  $x > n$  is established...

...a camera access table which is used to install camera icons displayed on the map window 60 and to install a camera for authorizing information communication.

The camera control client 56 refers to a camera authorization group on the camera access table in FIG. 9 (S16). If the camera is included in an authorization group to which...

...the camera authorization group is included in the camera authorization user list, the camera control client 56 checks whether the camera is in use (S19). If the camera is not being used by another users terminal, then the icon of the camera is displayed on the map window 60, superposed on the map (S20).

In step S21, upon completion of the...the user, but access to some cameras is prohibited, in order to help the user to use the system, the icons of cameras which can be remote-operated and the icons of cameras which are not authorized to be remote-operated may be displayed such that the icons are discriminated from each other. When such a process...1, and camera q from camera y = p according to the following procedure (S112).

In step S114, the camera control client 56 refers to the camera authorization group on the camera access table which is called from the secondary storage device 26 and shown in FIG. 9 to check whether the group to which the user belongs...

...not included in the camera authorization group with respect to camera p in step S115, then the camera control client 56 refers to the camera authorization user on the camera access table in FIG. 9 in step S116.

If a user determined not to belong to a camera authorization group is determined by the camera control client 56 to be...

23/5,K/32 (Item 19 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00838310 \*\*Image available\*\*

METHOD AND APPARATUS FOR COORDINATING A CHANGE IN SERVICE PROVIDER BETWEEN  
A CLIENT AND A SERVER  
PROCEDE ET APPAREIL PERMETTANT DE COORDONNER UN CHANGEMENT DE FOURNISSEUR  
DE SERVICES AU NIVEAU D'UN CLIENT ET D'UN SERVEUR

Patent Applicant/Assignee:

AT & T CORP, 32 Avenue of the Americas, New York, NY 10013-2412, US, US  
(Residence), US (Nationality)

Inventor(s):

CAROLAN Sean E, 203 Violet Lane, Jackson, NJ 08527, US,  
GARRETT John W, 411 Mathers Lane, Neshanic Station, NJ 08853, US,  
KALMANEK Charles Robert Jr, 86 Great Hills Road, Short Hills, NJ 07078,  
US,  
NGUYEN Han Q, 2 Tharp Lane, Marlboro, NJ 07736, US,  
RAMAKRISHNAN Kadangode K, 9 Highland Circle, Berkeley Heights, NJ 07922,  
US,

Legal Representative:

DWORETSKY Samuel H (et al) (agent), AT & T Corp., P.O. Box 4110,  
Middletown, NJ 07748-4110, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200172013 A1 20010927 (WO 0172013)

Application: WO 2001US8841 20010320 (PCT/WO US0108841)

Priority Application: US 2000190633 20000320

Designated States: AU BR CA CN IL KR MX

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Main International Patent Class: H04L-029/12

International Patent Class: H04L-012/28

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5895

English Abstract

A method of configuring a network access device having a first network address allocated to a subscriber of services of a first service provider provided by a first service network, with a new network address allocated to a subscriber of services of a second service provider provided by a second service network, wherein the network access device is connected to an access network connected to a plurality of service networks. The method comprises the steps of: sending a request from the network access device to the access network requesting a change to a second service provider; receiving a response from the access network; and initiating a network address change request using a configuration protocol. In this manner, a second network address allocated to the subscriber of services of the second service provider is assigned to the network access device to enable the network access device to communicate data packets to the service network providing the selected service. In one preferred embodiment of the invention, the subscriber is authenticated by a service activation system coupled to the access network prior to initiating the configuration protocol. Accordingly, the request to the access network includes an authentication request for the subscriber. The response received from the access network therefore includes an authentication status for the subscriber from the second service provider. If the subscriber is authenticated, the client initiates the network address

change request.

#### French Abstract

L'invention concerne un procede de configuration d'un dispositif d'accès au réseau, qui attribue une première adresse réseau à un abonné aux services d'un premier fournisseur de services fournis par un premier réseau de services, une nouvelle adresse réseau étant attribuée à un abonné aux services d'un second fournisseur de services fournis par un second réseau de services. Ledit procédé est caractérisé en ce que le dispositif d'accès au réseau est connecté à un réseau d'accès lui-même connecté à une pluralité de réseaux de services. Le procédé selon l'invention consiste : à envoyer, à partir du dispositif d'accès au réseau, une demande de changement à la faveur d'un second fournisseur de services adressée au réseau d'accès ; à recevoir une réponse du réseau d'accès ; et à lancer une demande de changement d'adresse réseau au moyen d'un protocole de configuration. Ainsi, la seconde adresse réseau attribuée à l'abonné aux services du second fournisseur de services est affectée au dispositif d'accès au réseau pour lui permettre de communiquer des paquets de données au réseau de services fournissant le service choisi. Dans un mode de réalisation préféré de l'invention, l'abonné est authentifié par un système d'activation de services couplé au dispositif d'accès au réseau préalablement au lancement du protocole de configuration. Par conséquent, la demande adressée au réseau d'accès comprend une demande d'authentification de l'abonné. La réponse reçue du réseau d'accès comprend donc un statut d'authentification relatif à l'abonné du second fournisseur de services. Si l'abonné est authentifié, le client lance la demande de changement d'adresse réseau.

#### Legal Status (Type, Date, Text)

Publication 20010927 A1 With international search report.

Publication 20010927 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20011213 Request for preliminary examination prior to end of 19th month from priority date

#### Fulltext Availability:

Detailed Description

#### Detailed Description

... series of steps to effect a change in the IP address for network access device I 0 1. At step 3 0 1, the user **accesses** the service provider I 0 **manager** function of the **client** shown generally at 720 in Fig. As discussed above, the service provider manager function enables the user to select a service provider from a stored...

...changes can be reconciled before displaying the selection of service providers to the user. The service activation system 160 is described above and can utilize **user credentials**, either explicitly requested or cached automatically, to authorize the fetching of account configuration data. If the cached **credentials** on the **client** are invalid, the attempt to update the list of configured service providers may be refused and the **user** alerted that the **credentials** need to be updated. A specialized account restoration procedure can be utilized by a properly-authorized administrative user to update the cached **credentials**. Alternatively, the **user** may ignore the message and continue using the old list of configured service providers. These options may be displayed by  
16  
connection using text-based...

...the service provider manager function to switch to the new service provider (svc-2). If the second service provider is not configured, then the service provider manager function 720 of the **client** can offer to add the new service provider.

The client can be configured to automatically connect to the service activation system 160 and enable the...

23/5,K/34 (Item 21 from file: 349)  
IALOG(R)File 349:PCT FULLTEXT  
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00835898 \*\*Image available\*\*  
**INTEGRATED SECURITY AND COMMUNICATIONS SYSTEM WITH SECURE COMMUNICATIONS LINK**

**SYSTEME DE SECURITE ET DE COMMUNICATIONS INTEGRE ASSURANT UNE LIAISON DE COMMUNICATIONS SURE**

Patent Applicant/Assignee:

PITTWAY CORPORATION, 165 Eileen Way, Syosset, NY 11791, US, US  
(Residence), US (Nationality)

Inventor(s):

SIMON Theodore, 35 Melrose Avenue, Dix Hills, NY 11746, US,  
WINICK Steven, 375 Yale Avenue, Woodmere, NY 11598, US,  
SIMON Scott H, 233 Cuba Hill Road, Huntington, NY 11743, US,  
BEACH Christopher E, 10 Rochelle Court, Amityville, NY 11701, US,

Legal Representative:

JACKSON Robert R (et al) (agent), c/o Fish & Neave, 1251 Avenue of the Americas, New York, NY 10020, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200169564 A2 20010920 (WO 0169564)

Application: WO 2001US8046 20010313 (PCT/WO US0108046)

Priority Application: US 2000188798 20000313

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G08B-021/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 36897

English Abstract

French Abstract

Selon l'invention, un systeme de securite et de communications integre associe un systeme de securite a une interface de systeme telephonique et/ou une interface de donnees. Les utilisateurs ont acces a des fonctions de boite vocale ou autres fonctions telephoniques de type PBX, dont plusieurs sinon la totalite sont accessibles non seulement a partir de combines telephoniques, mais aussi de paves numeriques du systeme de securite. Des fonctions de donnees, telles que de courrier electronique ou d'accès partiel ou complet a Internet, peuvent etre mises en oeuvre a partir des paves numeriques mais aussi d'ordinateurs personnels ou de terminaux d'ordinateur connectes. Les paves numeriques du systeme peuvent etre ameliores pour reconnaître quelques-unes des fonctions ajoutees. Une station de communications centrales peut etre utilisee pour assurer des communications privees sures, chiffrees par clefs, partagees avec chaque systeme local, au moyen d'un dispositif redirecteur ou relais permettant a chaque systeme local de communiquer de maniere sure avec une station de surveillance centrale ou d'autres systemes. Le systeme de communications sures de l'invention peut etre utilise sans systeme de securite pour permettre des communications interordinateurs securisees.

Legal Status (Type, Date, Text)

Publication 20010920 A2 Without international search report and to be republished upon receipt of that report.

Examination 20011220 Request for preliminary examination prior to end of  
19th month from priority date  
Declaration 20020307 Late publication under Article 17.2a  
Republication 20020307 A2 With declaration under Article 17(2)(a); without  
abstract; title not checked by the International  
Searching Authority.

Fulltext Availability:

Claims

Claim

... of said authorization  
unit comprises presentation of said coded token to said  
reader.

99 The security system of claim 93 having a plurality of authorized **users**, and having an **authorization** unit for uniquely identifying each of at least one of said authorized users, wherein:  
a particular authorized user initiates said state consistent with presence of an authorized **user** by activating said **authorization** unit using an indicium unique to said particular authorized user; and said user **control** interface presents **access** at said user **control** interface to electronic mail message sending from said particular authorized user.

100. The security system of claim 99 wherein:  
said user control interface comprises a...coded token to said reader.

104. The security system of claim 89 wherein:  
said data comprise electronic mail;  
said system has at least one authorized **user**, and has an **authorization** unit for uniquely identifying each of at least one of said authorized users; and  
when one of said at least one authorized user enters a...

...claim 89 wherein:  
said external data network is the Internet;  
said data comprise World Wide Web pages;  
- 73  
said system has at least one authorized **user**, and has an **authorization** unit for uniquely identifying each of at least one of said authorized users; and  
when one of said at least one authorized user enters a...

...unit comprises presentation of said coded token to said reader.

115. The security system of claim 89 wherein:  
said system has at least one authorized **user**, and has' an **authorization** unit for uniquely identifying each of at least one of said authorized users;  
one of said at least one authorized **user** activates said **authorization** unit using an indicium unique to said one of said at least one authorized user;  
said external data network is the Internet; and  
- 75  
said...

...authorized user

. 260. The security method of claim 237  
wherein:  
said system has at least one authorized  
user, and has an authorization unit for uniquely  
identifying each of at least one of said authorized  
users;  
'one of said at least one authorized user  
enters a security system...

23/5,K/37 (Item 24 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00822626 \*\*Image available\*\*

**CHANNEL-BASED INTERNET NETWORK**  
**RESEAU INTERNET BASE SUR DES CANAUX**

**Patent Applicant/Assignee:**

VIACLIX INC, 1400 Dell Avenue, Campbell, CA 95008-6620, US, US  
(Residence), US (Nationality)

**Inventor(s):**

NOBAKHT Lida, 1400 Dell Avenue, Campbell, CA 95008, US,

**Legal Representative:**

BEVER HOFFMAN HARMS LLP (agent), 2099 Gateway Place, Suite 320, San Jose,  
CA 95110-1017, US,

**Patent and Priority Information (Country, Number, Date):**

Patent: WO 200156291 A2-A3 20010802 (WO 0156291)

Application: WO 2001US2550 20010125 (PCT/WO US0102550)

Priority Application: US 2000491681 20000126

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-029/06

International Patent Class: H04L-012/18; H04L-029/12; H04N-007/173

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 13154

**English Abstract**

A channel-based network including a system server (110), one or more Internet sites (120) and one or more user terminals (130). The system server (110) stores a master channel table (112) that includes a list of channel numbers, each channel number having an associated Internet address and an associated Internet site name. Each Internet site of the network is addressable by an associated Internet address stored in the master channel table. Each user terminal automatically (i.e., without user participation) downloads and stores a local copy of the master channel table. The channel numbers and associated Internet site names are read from the downloaded local copy of the channel table and displayed, for example, on a television in a menu-like manner. The user selects an Internet site name from the displayed menu, and enters the channel number associated with the selected Internet site name using an input device that is similar to a television remote control. The user terminal then accesses the selected Internet site by reading the Internet address associated with the entered channel number, and transmitting the Internet address onto the Internet.

**French Abstract**

L'invention concerne un reseau, base sur des canaux, qui comprend un serveur systeme (110), un ou plusieurs sites Internet (120) et un ou

plusieurs terminaux utilisateurs (130). Le serveur systeme (110) memorise une table (112) de canaux maitresse comprenant une liste de numeros de canaux, chaque numero de canal etant assorti d'une adresse Internet associee et d'un nom de site Internet associe. Chaque site Internet du reseau est adressable par une adresse Internet associee stockee dans ladite table de canaux maitresse. Chaque terminal utilisateur telecharge et enregistre automatiquement (cad, sans la participation de l'utilisateur) une copie locale de la table de canaux maitresse. Les numeros des canaux et les noms de site Internet associes sont lus sur la copie locale telechargee de la table de canaux puis affiches, notamment sur un recepteur de television a la facon d'un menu. L'utilisateur choisit un nom de site Internet dans le menu affiche, et il entre le numero de canal associe au nom du site Internet choisi au moyen d'un peripherique d'entree similaire a une telecommande de television. Le terminal utilisateur accede ensuite au site Internet choisi apres lecture de l'adresse Internet associee au numero de canal entre, puis transmission de l'adresse Internet via l'Internet.

Legal Status (Type, Date, Text)

Publication 20010802 A2 Without international search report and to be republished upon receipt of that report.

Examination 20011129 Request for preliminary examination prior to end of 19th month from priority date

Search Rpt 20020502 Late publication of international search report

Republication 20020502 A3 With international search report.

Fulltext Availability:

Claims

Claim

... Internet sites that can be accessed by a young user. For example, an adult administrator (e.g., USER 1) of a set-top box may **restrict access** of a minor user (e.g., user 2) to an adult-content site (e.g., ADULT SITE, channel number 60) by setting the parent code...The limited-write data, which is located within the 31 write protect fence in Fig. 3(B), includes a customer 32 number 331, a personal **identification** number (USER PIN) 33 332, a user home page URL 333, a security password 334, 34 POP information 335, and **user age identifier** 336. In one 1 2 PCT/US01/02550 embodiment, a "customer" is defined as the group of users associated with user terminal 130-A that...

...one or more

children. Each user will typically have his or her own smart card. Each person in a customer group will share the same **customer identification** number 331. However, each person in a customer group will have a unique PIN 10 332. As discussed below, the **customer identification** 11 number 331 is matched with a serial number stored in 12 asset manager flash 222 by server 110. Home page URL 13 field 333...110 and set-top box 131  
15

and associated hardware resources are generally accurate, some simplifications are employed to avoid confusion.

For example, Fig. 4 **user identification** (USER ID) depicts information passing directly from smart card 232 to an "AUTHORIZATION/VERSION CHECK" function performed by CPU 210 of set-top box 131, instead of...to control the types of Internet sites available

23 to a particular user (i.e., a child). For instance, the 24 user terminal administrator may **restrict access** to all 25 sites rated "PG" or "G". In another embodiment, these 26 parental guidance codes may be utilized by server 110, in 27 conjunction...server 110 automatically performs several network operation functions that maintain and update channel based network 100. The network operation functions

performed by server 110 include user terminal authorization (AUTHORIZATION), download control (DOWNLOAD CNTL), update control (UPDATE CNTL), version check (VERSION CHECK). As described in detail below, CPU 412 automatically performs (i.e., without user participation) the terminal authorization and download control functions such that server 110 controls (authorizes) and updates user terminals of channel-based network 100 from a centralized location, thereby...

...database

20 418 is updated to include a new record for the new user.  
21 Referring to Fig. 5(C), this process involves entering  
22 terminal and user identification data, and the version  
23 number of the master channel table stored in channel  
24 table database 414. For example, assuming that a portion  
25...method.

In an alternative embodiment, channel table data may be stored in an unencrypted form, and encryption can be performed during download to a user terminal (however, this embodiment may delay download procedures). Next, an update policy is generated (step 645) that schedules downloading of the updated channel table information to the user terminals. Finally, update manager database...

...authorized by server 110, and if a more recent

22 version of the channel table is stored in channel table database 414 than by the user terminal, an authorization code and update available code are transmitted to the requesting user terminal. In response to these codes, the user terminal will automatically request a channel...

23/5,K/39 (Item 26 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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0'805895 \*\*Image available\*\*

TRANSFER OF SECURITY ASSOCIATION DURING A MOBILE TERMINAL HANDOVER  
TRANSFERT D'ASSOCIATION DE SECURITE LORS D'UN TRANSFERT INTERCELLULAIRE DE  
TERMINAL MOBILE

Patent Applicant/Assignee:

NOKIA CORPORATION, Keilalahdentie 4, FIN-02150 Espoo, FI, FI (Residence),  
FI (Nationality)  
NOKIA INC, 6000 Connection Drive, Irving, TX 75039, US, US (Residence),  
US (Nationality), (Designated only for: LC)

Inventor(s):

ALA-LAURILA Juha, Mustanlahdenkatu 10A5, FIN-33210 Tampere, FI,  
HANSEN Harri, Nokitontunkuja 1E34, FIN-02200 Espoo, FI,  
SALVELA Juha, Otakallio 1C28, FIN-02150 Espoo, FI,

Legal Representative:

KELLY Robert H (et al) (agent), Novakov Davis & Munck, P.C., 900 Three  
Galleria Tower, 13155 Noel Road, Dallas, TX 75240, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139538 A1 20010531 (WO 0139538)

Application: WO 2000IB1713 20001121 (PCT/WO IB0001713)

Priority Application: US 99447761 19991123

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04Q-007/38

Publication Language: English

Filing Language: English

Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 9884

#### English Abstract

An existing security association is re-established when a communication handover event occurs in a radio communications system such as IEEE 802.11 or a HIPERLAN wherein the existing security association between a mobile terminal and a wireless communication network is maintained when the communication handover occurs within the network. Authentication during a handover event is achieved by a challenge/response procedure. In accordance with the challenge/response procedure each member of a communication pair that is made up of a new access point and the mobile terminal that is experiencing a handover to the new access point sends a challenge to the other member of the communication pair. Each member of the communication pair then calculates a response to its received challenge, and these responses are sent back to the other member of the communication pair. Each member of the communication pair then compares its received response to a correct response. When these comparisons are correct, payload communication begins between the second access point and the mobile terminal.

#### French Abstract

Une association de securite existante est re-etablie lorsqu'un evenement de transfert intercellulaire de communication se produit dans un systeme de communications radio tel que IEEE 802.11 ou un reseau de zone locale radio a haute performance (HIPERLAN), l'association de securite existante entre un terminal mobile et un reseau de communication sans fil etant maintenue lorsque le transfert intercellulaire de communication se produit a l'interieur du reseau. L'authentification pendant un evenement de transfert est realisee par une procedure de demande d'accès/reponse. Selon ladite procedure, chaque element de deux communications qui est constitue d'un nouveau point d'accès et du terminal mobile experimentant un transfert intercellulaire vers le nouveau point d'accès envoie une demande d'accès a l'autre element des deux communications. Chaque element des deux communications calcule alors une reponse a sa demande d'accès recue et ces reponses sont renvoyees a l'autre element des deux communications. Chaque element des deux communications compare ensuite sa reponse recue par rapport a une reponse correcte. Lorsque ces comparaisons sont correctes, une communication de charge utile commence entre le second point d'accès et le terminal mobile.

#### Legal Status (Type, Date, Text)

Publication 20010531 A1 With international search report.  
Publication 20010531 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.  
Examination 20011004 Request for preliminary examination prior to end of 19th month from priority date

#### Fulltext Availability:

Claims

#### Claim

```
... second
access-point;
first-comparing said authenticate-access-point-response to a correct
id given mobile
response at sa -termi
second-comparing said authenticate-mobile- terminal -response to a
id second access-point-, and
correct response at sal I
1 5 initiating communication between said given niobile-terminal and said
Z
second access-point based...
```

...first-comparing step and said secondcomparing step. Claim 3. The method

of claim 2 wherein said plurality of mobile  
I 1  
terminals have a media access control layer and compatible physical layers. and wherein said messages are media access control messages.  
Claim 4. The method of claim 3 wherein said messages are transmitted  
within a wireless LAN such as IEEE 802.11 or HIPERLAN/2...if said  
access-polite-response is correct as a  
C7  
function of said given security-association"  
eighth means at said second COMMUNICATION-access-point and  
id mobile-terminal -response for determining if said mobile  
responsive to said I I I  
terminal-response is correct as a function of said (Tiven  
security-association  
established...

...sending said mobile-terminal-challenge to said inobile-terminal  
responding to said mobile-terminal-challenge at said mobile-terminal  
and generating a mobile-terminal -response as a function of said given  
security-association;  
sending said mobile-terminal -response to said second  
communication-access-point;  
responding to said access-point-challenge at said second  
communication-access-point and generating a second access-point-response...

23/5,K/45 (Item 32 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00749051 \*\*Image available\*\*  
A SYSTEM AND METHOD FOR PROVIDING PEER-ORIENTED CONTROL OF  
TELECOMMUNICATIONS SERVICES  
SYSTEME ET PROCEDE DE COMMANDE HOMOLOGUE POUR SERVICES DE  
TELECOMMUNICATIONS

Patent Applicant/Inventor:

TREBES Harold Herman Jr, 1361 Middlesex Avenue N.E., Atlanta, GA 30306,  
US, US (Residence), US (Nationality)

Legal Representative:

GOLDMAN Joel S (agent), Troutman Sanders LLP, Suite 5200, 600 Peachtree  
Street N.E., Atlanta, GA 30308-2216, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200062496 A1 20001019 (WO 0062496)

Application: WO 2000US9964 20000413 (PCT/WO US0009964)

Priority Application: US 99291485 19990414

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE  
DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-012/56

International Patent Class: H04L-012/28

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 43329

English Abstract

In a telecommunications network environment including non-participating elements and participating elements, a method for providing a telecommunications service between a first peer element connected to the telecommunications network environment and a second peer element

connected to the telecommunications network. At a first peer element, an indication of the type of telecommunications service to be provided between the first peer element and the second peer element is received. A telecommunications service template in association with the indicated telecommunications service is determined, the telecommunications service template including instructions for configuring the non-participating elements of the telecommunications network environment to provide the indicated telecommunications service and instructions for configuring the participating elements of the telecommunications network environment. The telecommunications service template may further comprise routing instructions for the non-participating elements of the telecommunications network environment and routing instructions for the participating elements of the telecommunications network environment.

#### French Abstract

Procede permettant, dans un environnement de reseau de telecommunications avec elements non participants et elements participants, d'assurer un service de telecommunication entre un premier element homologue connecte audit environnement de reseau de telecommunications et un second element homologue connecte au meme reseau de telecommunications. Au niveau d'un premier element homologue est recue une indication quant au type de service de telecommunications a fournir entre le premier et le second element homologues. On determine une grille de service de telecommunications, grille qui renferme des instructions pour configurer d'une part les elements non participants de l'environnement de reseau de telecommunications en vue de la fourniture du service de telecommunications specifie, d'autre part les elements participants de l'environnement du reseau de telecommunications. Cette grille peut egalement renfermer des instructions d'acheminement, tant pour les elements non participants que pour les elements participants de l'environnement du reseau de telecommunications.

#### Legal Status (Type, Date, Text)

Publication 20001019 A1 With international search report.  
Examination 20010621 Request for preliminary examination prior to end of 19th month from priority date  
Correction 20020711 Corrected version of Pamphlet: pages 1/32-32/32, drawings, replaced by new pages 1/75-75/75; due to late transmittal by the receiving Office  
Republication 20020711 A1 With international search report.

#### Fulltext Availability:

Claims

#### Claim

... Local Interdomain Services  
Global Interdomain Services

Purpose To establish the limits of use for End Users within the End User Organization as well as to limit the access and visibility into the End User Organization Domain for End Users within other End User Organizations that would try to establish a service connection to... components into more complex service templates.

IO.M.2 Provide a mechanism to interpret service templates for use by the orthogonal control mechanism.

FIG. III? Workstation Functions (cont.)

Ref # ; Function Category

10 IC. I Provide a facility for storing and selectively retrieving service Evident templates and components with separate access for privately (locally defined) as well as globally defined (interdomain...).

23/5,K/50 (Item 37 from file: 349)  
NALOG(R)File 349:PCT FULLTEXT  
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00548467 \*\*Image available\*\*

**HOME GATEWAY**

**PASSERELLE DOMESTIQUE**

Patent Applicant/Assignee:

MITSUBISHI ELECTRIC CORPORATION,

Inventor(s):

AKATSU Shinji,

MATSUBARA Fernando Masami,

MATSUO Eiji,

MIURA Shin,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200011840 A2 20000302 (WO 0011840)

Application: WO 99US18511 19990812 (PCT/WO US9918511)

Priority Application: US 98140899 19980825; US 98144678 19980831; US 99302636 19990429

Designated States: CA DE GB JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: H04L-012/28

International Patent Class: H04N-007/18; H04Q-011/04; H04L-012/64

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 20233

**English Abstract**

A method for formatting and routing data between an external network and an internal IEEE 1394 network is provided. The method comprises receiving a data packet at a gateway device, separating data information from the data packet, reformatting the separated data information from a first digital format into a second digital format, selecting a transmission mode for communicating the data information in the second digital format to a particular node residing on the internal network, preparing a portion of the data information in the second digital format for transmission in the selected transmission mode, and transmitting the portion of the data information in the second digital format to the particular node via the selected transmission mode.

**French Abstract**

L'invention concerne un procede de formatage et d'acheminement de donnees entre un reseau exterieur et un reseau IEEE 1394 interieur. Le procede consiste a recevoir un paquet de donnees dans un dispositif passerelle, a separer les informations de donnees du paquet de donnees, a reformater les informations de donnees separees d'un premier format numerique dans un deuxième format numerique, a selectionner un mode de transmission pour communiquer les informations de donnees dans le deuxième format numerique dans un noeud particulier residant dans le reseau interieur, a preparer une partie des informations de donnees dans le deuxième format numerique pour les transmettre dans le mode de transmission selectionne, puis a transmettre la partie des informations de donnees dans le deuxième format numerique au noeud particulier via le mode de transmission selectionne.

Fulltext Availability:

Claims

**Claim**

... ISP I/F 652 FUNCTION 672

Ca 1544

:4 ADSL ACCESS NETWORK CONNECTION IJ94

I/F FUNCTION I/F

m 656 676

cn

x

m ACCESS HOME NETWORK

NIETWORK FIBER ATM CONTROLdMANAGEMENT

-j/ I/F

660 F NCTION 680

r 6J2

m  
HFC OTHER RESIDENT OR  
I F DOWNLOADABLE FUNCTIONS  
664 682 684  
VIDEO  
SERVICE @@648  
PROVIDER...  
  
.1612 1604  
1628A4 I VPI=0 VCI=32 1140 12.321 0X8E65 1 9832:450:3895 1  
1804  
1728  
1704- 1804 1804  
READ ADDRESS IVE RECEIVE NODE  
TABLE NAVIGATION --4 FUNCTION INPUT  
INPUT  
17  
1708 17J2 MODIFY SUBSET  
RELATE NODES OF NAVIGATION YES  
TREE OMPAR  
1712 TRANSMIT 1760  
READ NODE ICON 7  
MODIFIED  
TABLE SUBSET  
1808 R MESSAGE  
1716  
RETRIEVE NODE 1740--@@- READ NODE  
ICON FUNCTION TABLE 1808  
1720 RATE 1764 TRANSMIT  
GENE 1744-  
NAVIGATION GENERATE NODE COMMAND  
FUNCTION LIST  
TREE  
1748  
1724  
MIT  
NAVIGATION TRANSMIT NODE  
TREE FUNCTION LIST  
I 1  
1808 1808  
FIG+ 1 7  
/29  
1800  
1804 1808  
C D 1: D  
RECEIVE DATA RECEIVE DATA  
PACKET FROM @@1810 1824 FROM...COMPLIANT 0,POWER,0xC2 1,ZOOM IN,0xC3  
2,ZOOM OUT,0xC4 3,FREEZE,0xC4 4,EXIT,0xCO  
FIG 21  
/29  
2200 BU  
2204-  
, - RECEIVE NODE  
SELF ID  
4  
2208-N, EXTRACT BUS ID  
AND PHY ID  
I r  
2212-@,- ADD NEW ROW EXTRACT NODE 2228  
UNIQUE ID  
1 r  
2216@0 FILL E i r 22J2  
AND N E ID FILL NODE  
FIELDS UNIQUE ID  
FIELD  
I r 22J6  
2220 SMIT  
ASYqCH

REQUEST  
ELF 1  
2224@0 RECEIVE ASYNCH  
RESPONSE 0  
FIG\* 22  
SUBSTITUTE SHEET (RULE 26)  
/29  
A/04 RECEIVE  
DATA...

23/5,K/54 (Item 41 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00483601 \*\*Image available\*\*  
ACCESS SYSTEM AND METHOD FOR PROVIDING INTERACTIVE ACCESS TO AN INFORMATION  
SOURCE THROUGH A NETWORKED DISTRIBUTION SYSTEM  
SYSTEME ET PROCEDE DE FOURNITURE D'ACCES INTERACTIF A UNE SOURCE  
D'INFORMATIONS PAR UN SYSTEME DE DISTRIBUTION EN RESEAU

Patent Applicant/Assignee:  
WORLDGATE COMMUNICATIONS INC,

Inventor(s):

LEE Jae Hea Edward,  
HERZIG Harold E,  
BAUMAN Bruce D,  
BOOTH Richard L,  
AUGENBRAUN Joseph E,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9914953 A1 19990325  
Application: WO 98US18485 19980915 (PCT/WO US9818485)  
Priority Application: US 97931971 19970915

Designated States: AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GE GH GM HU ID  
IL IS JP KE KG KP KR KZ LC LK LR LS LT LV MD MG MK MN MW MX NO NZ PL RO  
RU SD SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW AT BE CH CY DE DK ES FI  
FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD  
TG

Main International Patent Class: H04N-007/173

Publication Language: English

Fulltext Availability:

Detailed Description  
Claims

Fulltext Word Count: 10622

#### English Abstract

An access system (10) and method provide interactive access to an information source, such as the Internet, through a networked distribution system, such as a television distribution system (11). Each user in the television distribution system can access the Internet through an associated terminal (54) by sending commands through an upstream channel (22) to a headend server (38) which is interfaced between a television network headend (34) and an Internet Service Provider (ISP) (60). The headend server manages all Internet information requests from the terminals by forwarding the requests to the ISP and receiving the requested information therefrom. An Internet Protocol (IP) address is assigned only to the headend server which keeps track of the terminals requesting information by means of terminal identification numbers or codes associated with each request. The headend server also maintains a plurality of Internet browser applications (75) active at all times to insure that a terminal requesting Internet access can be immediately interfaced to the ISP through one of the active browser applications. Each of the downstream television signals includes a vertical synchronization signal that is preferably employed to generate a framing signal for synchronizing upstream transmission of the data packets comprising the information requests from the terminals.

#### French Abstract

L'invention concerne un systeme (10) et un procede d'acces permettant un

acces interactif a une source d'informations, telle qu'Internet, par un systeme de distribution en reseau tel qu'un systeme de distribution de television (11). Chaque utilisateur du systeme de distribution de television peut avoir acces a Internet par un terminal associe (54) en envoyant des commandes par un canal en amont (22) a un serveur de tete de reseau (38) faisant interface entre une tete de reseau de television (34) et un fournisseur d'accès Internet (ISP) (60). Le serveur de tete de reseau gère toutes les demandes d'informations à Internet provenant des terminaux en acheminant les demandes à l'ISP et en recevant de l'ISP les informations demandées. Une adresse de protocole Internet (IP) est attribuée uniquement au serveur de tete de reseau qui garde la trace des terminaux demandant des informations grâce à des numéros ou codes d'identification associés à chaque demande. Le serveur de tete de reseau maintient également plusieurs applications d'explorateur Internet (75) actives à tout moment pour assurer qu'un terminal demandant un acces à Internet peut être immédiatement mis en interface avec l'ISP par une des applications d'explorateur actives. Chaque signal de télévision en aval comprend un signal de synchronisation vertical qui est utilisé de préférence pour générer un signal de verrouillage de trame destiné à synchroniser une transmission en amont des paquets de données contenant les demandes d'informations provenant des terminaux.

Fulltext Availability:

Detailed Description

Detailed Description

... 5, the application server 68 includes a set top 15 communications module 70 in communication with the communications controller 66 for interfacing the application **server** 68 to the **communications** controller 66. The **received command** from the **communications** controller 66 is forwarded to the set top communications module ...72. As should be understood, the session manager 72 manages multiple sessions from multiple set top terminals 54, and therefore maintains an association between the **received command** and the **terminal** 54 that originated the **received command**. More particularly, as will be discussed in greater detail in conjunction with FIG. 9, each command or information request received by the session manager 72 includes an identification number or code for **identifying** which of the **terminals** 54 sent the command or request. The session manager 72 keeps track of this information so that when requested information is received from the ISP...

...of the set top terminals 54. Instead, the system 10 requires assignment of 8 only a single IEP address to the application server 68 for **managing** all of the Internet **access** and information requests from each of the set top terminals 54.

File 347:JAPIO Oct 1976-2003/Aug(Updated 031202)

(c) 2003 JPO & JAPIO

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200381

(c) 2003 Thomson Derwent

Set	Items	Description
S1	3248357	FUNCTION OR COMMAND OR SEARCH OR QUERY OR REQUEST? ? OR TRANSACTION? ? OR TASK? ? OR JOB? ? OR OPERATION? ? OR PROCEDURE? ? OR ACTION? ?
S2	464098	S1(5N) (SEND??? OR SENT OR FORWARD? OR TRANSFER? OR CONVEY? OR TRANSMIT? OR TRANSMISSION OR DELIVER? OR COMMUNICAT? OR PROVIDED? OR REDIRECT? OR DIRECT? OR DELEGAT? OR RELAY?)
S3	164564	S1(5N) (DOWNLOAD? OR UPLOAD? OR RECEIV? OR RECEIPT OR OBTAIN? OR GET???? OR ACQUIR??? OR ACQUISITION)
S4	112265	S2:S3(5N) (SERVER OR CLIENT OR NODE OR TERMINAL OR PC OR COMPUTER OR WORK()STATION OR WORKSTATION OR DEVICE OR UNIT)
S5	479379	ID OR IDENTIFIER? ? OR IDENTIFICATION OR IDENTIFYING OR IDENTITY OR ATTRIBUTE? ? OR PROFILE? ? OR AUTHORIZATION OR AUTHORISATION OR AUTHORITY OR PERMISSIONS OR RIGHTS OR PRIVILEGE? ? OR SECURITY()CLEARANCE OR CREDENTIAL? ?
S6	4508	(ACCESS OR CLEARANCE OR SECURITY OR CONFIDEN?) (3N) (LEVEL? - OR GRADE OR GRADES OR STANDING OR RATING? ? OR CLASS OR CLASSIFICATION OR CATEGOR?)
S7	171118	S5:S6(3N) (CLIENT? ? OR NODE? ? OR TERMINAL? ? OR PC? ? OR COMPUTER? ? OR WORK()STATION? ? OR WORKSTATION? ?)
S8	35853	S5:S6(3N) (PERSON? ? OR INDIVIDUAL? ? OR EMPLOYEE? OR MEMBER? ? OR ENTITY OR ENTITIES OR STUDENT? ? OR SOMEONE OR ANYONE OR USER? ? OR SUBSCRIBER? ? OR CUSTOMER? ? OR REQUESTOR? ?)
S9	46978	ACCESS???(5N) (LIMIT??? OR RESTRICT? OR FILTER??? OR CONFIN? OR CONTROL? OR REGULAT? OR MANAG?)
S10	181	S4 AND S7:S8 AND S9
S11	89	S4(20N)S7:S8 AND S9
S12	19	S11 AND IC=G06F-017
S13	70	S11 NOT S12
S14	48	S13 AND IC=G06F
S15	24	S13 NOT S14
S16	92	S10 NOT S11
S17	24	S16 NOT IC=G06F
S18	68	S16 NOT S17
S19	17	S18 AND IC=G06F-017
S20	517	S18 NOT S19

14/5/7 (Item 7 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06425367 \*\*Image available\*\*  
**ACCESS CONTROL METHOD FOR NETWORK SYSTEM**

PUB. NO.: 2000-010930 [JP 2000010930 A]  
PUBLISHED: January 14, 2000 (20000114)  
INVENTOR(s): SAITO YOKO  
APPLICANT(s): HITACHI LTD  
APPL. NO.: 10-177017 [JP 98177017]  
FILED: June 24, 1998 (19980624)  
INTL CLASS: G06F-015/00 ; G06F-013/00 ; G09C-001/00; H04L-009/32

**ABSTRACT**

PROBLEM TO BE SOLVED: To attain a more flexible operation of a network by performing integrated and unitary management via an access control server for the access control processes which are so far carried out by a work server, a DB server, a groupware server, etc., in a conventional ACL and also grasping the temporary constraint set for the use of a network system and the user access state by means of the access tickets.

SOLUTION: An access control server 50 checks the access authority of a user to a work server 6 based on the confirmation result of the user's certificate acquired by an integrated authentication server 2 after the user is authenticated or when the work requests of the user are transferred to the server 50 from the clients 8 and 20. If the access authority of the user is legal, the work requests of the user are permitted to the server 6. In this case, a fact that the communication contents are never shown to the outsiders is guaranteed.

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14/5/8 (Item 8 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06202283 \*\*Image available\*\*  
**SYSTEM AND METHOD FOR DISTRIBUTED OBJECT**

PUB. NO.: 11-143840 [JP 11143840 A]  
PUBLISHED: May 28, 1999 (19990528)  
INVENTOR(s): SUZAKI SEIICHI  
UMEZAWA KATSUYUKI  
KAJI TADASHI  
TEZUKA SATORU  
SASAKI RYOICHI  
TABATA KUNIYAKI  
AKAOSUGI TAKASHI  
KITO AKIRA  
APPLICANT(s): HITACHI LTD  
APPL. NO.: 09-302805 [JP 97302805]  
FILED: November 05, 1997 (19971105)  
INTL CLASS: G06F-015/16 ; G06F-012/00 ; G06F-013/00

**ABSTRACT**

PROBLEM TO BE SOLVED: To prevent a program downloaded in a client terminal by way of a network from performing an unlawful processing that a user does not intend.

SOLUTION: A client terminal 400 transmits a service requests including an object identifier of a client object program, its programmer signature and position information on the client terminal 400 to an execution server 401. Only when it verifies the programmer signature and confirms its completeness, the execution server 401 retrieves the object identifier and its programmer name from a client object management file

1625. Only when they are retrieved, service use authority of a user is confirmed by referring to an **access management** file 1624. Then, only when there is the use authority, a server object program is executed and services are provided.

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14/5/9 (Item 9 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05986084 \*\*Image available\*\*  
SECURITY MANAGEMENT METHOD FOR NETWORK SYSTEM

PUB. NO.: 10-269184 [JP 10269184 A]  
PUBLISHED: October 09, 1998 (19981009)  
INVENTOR(s): SAITO YOKO  
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 09-076954 [JP 9776954]  
FILED: March 28, 1997 (19970328)  
INTL CLASS: [6] G06F-015/00 ; G06F-001/00  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 45.9  
(INFORMATION PROCESSING -- Other)  
JAPIO KEYWORD:R303

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a security management method for facilitating transition from a present user authentication system by a user ID and a password to a single sign-on by the utilization of a certificate.

SOLUTION: A job is requested by transmitting the information of the certificate from a client 8 to a job server 6 and the confirmation of the certificate is requested by transmitting the information of the certificate from the job server 6 to an integrated authentication server 2. The integrated authentication server 2 confirms the certificate, then obtains the security information of a user from a server 3 and checks the right to access the job server 6 of the user. At the time of appropriate access, the user ID, the password and access -to- data control information are sent to the job server 6. The job server 6 performs the authentication processing on the user and manages the access right to data thereafter. It is similar for a DB(data base) server 5 as well.

14/5/10 (Item 10 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

05720320 \*\*Image available\*\*  
ACCESS CONTROL SYSTEM AND METHOD

PUB. NO.: 10-003420 [JP 10003420 A]  
PUBLISHED: January 06, 1998 (19980106)  
INVENTOR(s): YOSHIMOTO MASAHIKO  
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 08-154118 [JP 96154118]  
FILED: June 14, 1996 (19960614)  
INTL CLASS: [6] G06F-012/00 ; G06F-012/00 ; G06F-012/14 ; G06F-013/00  
; G06F-013/00  
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units)  
JAPIO KEYWORD:R131 (INFORMATION PROCESSING -- Microcomputers &  
Microprocessers); R138 (APPLIED ELECTRONICS -- Vertical  
Magnetic & Photomagnetic Recording)

#### ABSTRACT

PROBLEM TO BE SOLVED: To safely and flexibly protect the common resource in

a distributed system sharing the resource of a remote site through the use of a computer network.

SOLUTION: When a server 102 receives a service request from a client 103, the identifiers of a terminal and a user are obtained from the service request and authority against the service request is uniquely decided from the obtained identifiers of the terminal and the user. Then, whether the service request is to be received or not is judged by using decided authority.

14/5/11 (Item 11 from file: 347)  
DIALOG(R)File 347:JAPIO  
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74764195 \*\*Image available\*\*  
ENTER FUNCTION-CENTRALIZED TYPE ACCESS CONTROLLING METHOD

PUB. NO.: 07-056795 [JP 7056795 A]  
PUBLISHED: March 03, 1995 (19950303)  
INVENTOR(s): NAKAYAMA YOSHIO  
APPLICANT(s): SHISUIN NET KK [000000] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 05-161901 [JP 93161901]  
FILED: June 30, 1993 (19930630)  
INTL CLASS: [6] G06F-012/00 ; G06F-009/06 ; G06F-012/14 ; G06F-015/00  
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 45.1  
(INFORMATION PROCESSING -- Arithmetic Sequence Units); 45.4  
(INFORMATION PROCESSING -- Computer Applications)  
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers &  
Microprocessors)

#### ABSTRACT

PURPOSE: To use an inexpensive and widely general terminal equipment and to protect the data extremely high in confidentiality or operation security by permitting a certain user to execute specific operation only at the time of accessing the specific operation from a previously registered specific terminal equipment.

CONSTITUTION: When a terminal 12 is connected to a server 11 in a personal computer network, a terminal ID file is automatically transferred from the terminal 12 to the server 11. The server 11 checks whether the sent terminal 12 is usable operation or not in accordance with the contents of an access control table 18. After rewriting the contents of a terminal ID file 20 by a specific cipher system based upon date information, the ID file is transferred from the server 11 to the terminal 12 at the end of operation, so that preceding access information and the ciphered terminal ID become succeeding terminal ID.

14/5/12 (Item 12 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03307342 \*\*Image available\*\*  
FILE SECRECY PROTECTING SYSTEM

PUB. NO.: 02-282842 [JP 2282842 A]  
PUBLISHED: November 20, 1990 (19901120)  
INVENTOR(s): TAKAHASHI YOSHIHITO  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 01-103439 [JP 89103439]  
FILED: April 25, 1989 (19890425)  
INTL CLASS: [5] G06F-012/00 ; G06F-015/00  
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 45.4  
(INFORMATION PROCESSING -- Computer Applications)

JOURNAL: Section: P, Section No. 1163, Vol. 15, No. 51, Pg. 91,  
February 06, 1991 (19910206)

#### ABSTRACT

PURPOSE: To easily protect the file secrecy for each user by setting the names of groups of terminals as the elements to decide permission for use of the files.

INVENTION: A session set-up means 4 acquires the information on each session via a terminal control means 2 and stores these acquired information into the session control information 5. When the terminal identification name and an acquiring request of the terminal group names are received from the means 4, a terminal control file control means 6 retrieves a terminal control file 7 and sends the terminal group name of the corresponding terminal identification name to the means 4 in reply. Then the means 6 compares the use-permitted terminal group name with the terminal group name informed from a conversation control means 3 against a file access request of the means 3 and decides whether the use of the relevant terminal is permitted or not. If not, the file access request is rejected. As a result, the secrecy can be easily protected for each group of user files.

14/5/21 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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015028650 \*\*Image available\*\*

WPI Acc No: 2003-089167/200308

XRPX Acc No: N03-070223

Physical storage devices access managing method for computers systems, involves sending device access request from privileged user to disk drive without passing through file system/LVM mapping layer of host computer

Patent Assignee: EMC CORP (EMCE-N)

Inventor: BLUMENAU S M; D'ERRICO M J; HACKETT C J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6449652	B1	20020910	US 99224789	A	19990104	200308 B

Priority Applications (No Type Date): US 99224789 A 19990104

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6449652	B1	20	G06F-015/16		

Abstract (Basic): US 6449652 B1

NOVELTY - A request is received from a user having lesser system administrator access privileges, to perform an action on one of the physical storage devices. The request is sent to disk drives without passing through file system/LVM mapping layer of a host computer, when the user is privileged.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Computer readable medium recorded with physical storage devices access managing program;
- (2) Host computer;
- (3) Physical storage devices access request responding method; and
- (4) Computer readable medium recorded with physical storage devices access request responding program.

USE - For managing access of physical storage devices e.g. disk drives in computer systems.

ADVANTAGE - Allows specified users having certain privileges to directly access data stored on physical storage devices, and prevents other users from accessing any storage device data. Hence, reduces risk of security breaches and provides system administrators with significant flexibility and control over access to the physical storage devices.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart

illustrating the raw storage devices controlled access providing method.

pp; 20 DwgNo 4/7

Title Terms: PHYSICAL; STORAGE; DEVICE; ACCESS; MANAGE; METHOD; COMPUTER; SYSTEM; SEND; DEVICE; ACCESS; REQUEST; USER; DISC; DRIVE; PASS; THROUGH; FILE; SYSTEM; MAP; LAYER; HOST; COMPUTER

Derwent Class: T01; T03

International Patent Class (Main): G06F-015/16

File Segment: EPI

14/5/28 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014326413 \*\*Image available\*\*

WPI Acc No: 2002-147115/200219

Related WPI Acc No: 2003-503540

XRPX Acc No: N02-111528

Computer resource operation and access control system for Internet, performs authentication of identity of client providing request for accessing selected computer resources and corresponding server

Patent Assignee: PRISM RESOURCES (PRIS-N)

Inventor: GIRI S; GOEKE T C; GREGG R L

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020002688	A1	20020103	US 97872710	A	19970611	200219 B
US 6516416	B2	20030204	US 97872710	A	19970611	200313

Priority Applications (No Type Date): US 97872710 A 19970611

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20020002688 A1 44 G06F-012/14

US 6516416 B2 H04L-009/00

Abstract (Basic): US 20020002688 A1

NOVELTY - A clearinghouse server (30) stores identity data of a server (34) and clients connected to the server (34). The clearinghouse server authenticates the identity of a client providing a request for accessing selected computer resources and the corresponding server, based on which access to the selected resources, is permitted.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for computer resource access control method.

USE - For controlling access to computer resources in computer network such as Internet.

ADVANTAGE - Facilitates information provider to have total control over user access , rights management , billing, usage tracking and demographic capture over network such as Internet. Provides a secure platform for information providers to publish subscription contents to the world wide web in a way that assures revenue generation.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the computer resource access control system.

Clearinghouse server (30)

Server (34)

pp; 44 DwgNo 3/30

Title Terms: COMPUTER; RESOURCE; OPERATE; ACCESS; CONTROL; SYSTEM;

PERFORMANCE; AUTHENTICITY; IDENTIFY; CLIENT; REQUEST; ACCESS; SELECT; COMPUTER; RESOURCE; CORRESPOND; SERVE

Derwent Class: T01

International Patent Class (Main): G06F-012/14 ; H04L-009/00

File Segment: EPI

14/5/35 (Item 23 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013261650    \*\*Image available\*\*  
WPI Acc No: 2000-433550/200038  
XRPX Acc No: N00-323690

Access control system e.g. for controlling access to secure location or containers or to television programmes having selected ratings or in selected classes has server that receives access requests from portable communicating device

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: BYFORD D J

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2344670	A	20000614	GB 9827317	A	19981212	200038	B
US 6581161	B1	20030617	US 99260247	A	19990302	200341	
GB 2344670	B	20030903	GB 9827317	A	19981212	200358	

Priority Applications (No Type Date): GB 9827317 A 19981212

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2344670	A	14		E05B-049/00	
US 6581161	B1			H04L-009/32	
GB 2344670	B			E05B-049/00	

Abstract (Basic): GB 2344670 A

NOVELTY - The system has a portable communicating device (104) such as a portable digital assistant with a browser, a server (107) and one or more access control devices (101,102) preferably in wireless and secure communication across a network, e.g. the Internet. Access control is held in a database (108) available to the server . The server receives access requests from the portable device , identifying the user , and generates access criteria, such as biometric data or a cipher lock code, according to the user identity and the stored control data. These criteria are transmitted to the access control devices and/or portable device. If the user satisfies the criteria access is allowed.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a method of controlling access to a facility in a network using the above system.

USE - For controlling access to facilities, e.g. physical access to a building or secure area or container, or access to a particular computer system or to a particular television program.

ADVANTAGE - Enables quick and easy update of access control criteria to cater for rapid changes in circumstances.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram showing a networked access control system for buildings or secure containers.

access control devices (101,102)  
user interface (103,105)  
portable communicating device (104)  
server (107)  
database (108)  
pp; 14 DwgNo 1/2

Title Terms: ACCESS; CONTROL; SYSTEM; CONTROL; ACCESS; SECURE; LOCATE; CONTAINER; TELEVISION; PROGRAMME; SELECT; RATING; SELECT; CLASS; SERVE; RECEIVE; ACCESS; REQUEST; PORTABLE; COMMUNICATE; DEVICE

Derwent Class: Q47; T01; T05; W02; W03; X25

International Patent Class (Main): E05B-049/00; H04L-009/32

International Patent Class (Additional): G06F-001/00 ; G06F-012/14 ; H04N-007/16

File Segment: EPI; EngPI

14/5/36    (Item 24 from file: 350)

DIALOG(R) File 350:Derwent WPIX  
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012890376    \*\*Image available\*\*  
WPI Acc No: 2000-062210/200005

XRPX Acc No: N00-048736

User application access control method for desktop in client-server system

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC ); HAYES K F (HAYE-I); KING B G (KING-I); IBM UK LTD (IBMC )

Inventor: HAYES K F; KING B G

Number of Countries: 029 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9957863	A1	19991111	WO 98GB3866	A	19981221	200005 B
TW 425799	A	20010311	TW 99106759	A	19990427	200143
US 20010011341	A1	20010802	US 9872597	A	19980505	200147
US 6339826	B2	20020115	US 9872597	A	19980505	200208

Priority Applications (No Type Date): US 9872597 A 19980505

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9957863 A1 E 57 H04L-029/06

Designated States (National): CA CN CZ IL IN JP KR PL SG

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

TW 425799 A H04L-029/06

US 20010011341 A1 G06F-015/00

US 6339826 B2 H04N-007/167

Abstract (Basic): WO 9957863 A1

NOVELTY - A list of applications to which the user has access permission and objects corresponding to each application in the list are downloaded. The objects when selected by the user, a request for downloading corresponding application to the user station is output to server.

DETAILED DESCRIPTION - Log-on request including user identifier is received at the server from a user station. The server uses the users log-on identifier to build a list of applications for which the user has access permission. An INDEPENDENT CLAIM is also included for application access control program storage medium.

USE - For controlling access to applications downloaded from server in client-server system.

ADVANTAGE - Provides common repository for configuration information for users and applets in client-server environment. Allows user to login from any computer in the system at any time and have it configured automatically at run time according to preferences stored for the user at the server. Prevents user from winding up with applications configured on desktop to which user does not have access by testing each application access preference set by user against the application permission present on server.

DESCRIPTION OF DRAWING(S) - The figure illustrates the operation of user log-on and initially establishing users desk top.

pp; 57 DwgNo 8/24

Title Terms: USER; APPLY; ACCESS; CONTROL; METHOD; CLIENT; SERVE; SYSTEM

Derwent Class: W01

International Patent Class (Main): G06F-015/00 ; H04L-029/06; H04N-007/167

File Segment: EPI

14/5/37 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012773633 \*\*Image available\*\*

WPI Acc No: 1999-579860/199949

Related WPI Acc No: 2000-053135

XRPX Acc No: N99-428113

Cluster configuration in distributed virtual storage system

Patent Assignee: SUN MICROSYSTEMS INC (SUNM )

Inventor: HERNDON R; SLAUGHTER G L; TRAVERSAT B A; ZHENG X

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5964886	A	19991012	US 9876388	A	19980512	199949 B
DE 69902267	E	20020829	DE 602267	A	19990507	200264
			EP 99924138	A	19990507	
			WO 99US9903	A	19990507	

Priority Applications (No Type Date): US 9876388 A 19980512; US 9876274 A 19980512; US 9876346 A 19980512; US 9876347 A 19980512

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5964886	A		24	G06F-011/00	
DE 69902267	E			G06F-011/14	Based on patent EP 1084471
					Based on patent WO 9959064

Abstract (Basic): US 5964886 A

NOVELTY - Node (104A) is configured to access memories (108, 110, 112) using virtual disk system and to store mapping data identifying primary and alternate nodes (104B, 104C). The node (104A) includes a driver configured to send data access request to primary node . Nodes (104B, 104C) has a master configured to access data from memory and to convey response via common link.

DETAILED DESCRIPTION - The driver configured to store copy of data access request until driver receives response. The node (104A) is configured to store membership data comprising lost of activity node.

USE - In distributed virtual storage system.

ADVANTAGE - To maintain consistent mapping between nodes in presence of failures, the mapping may be stored in highly available database which is used to store permission data to control access to virtual devices. Allows storage device to be accessed even if one node physically connected to the device fails or storage device path fails. Virtual disk system may be designed to serve as interface between volume manager and storage device or between client and volume managers.

DESCRIPTION OF DRAWING(S) - The figure represents block diagram of cluster configuration.

Nodes (104A-104C)

Access storage devices (108, 110, 112)

pp; 24 DwgNo 2/12

Title Terms: CLUSTER; CONFIGURATION; DISTRIBUTE; VIRTUAL; STORAGE; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-011/00 ; G06F-011/14

File Segment: EPI

14/5/38 (Item 26 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012740247 \*\*Image available\*\*

WPI Acc No: 1999-546364/199946

XRPX Acc No: N99-405526

Information access control procedure for computer information service system - involves controlling data access to service user with reference to information utilization authority provided to acquired local user name corresponding to service user who request correspondence information

Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11238037	A	19990831	JP 9837838	A	19980219	199946 B

Priority Applications (No Type Date): JP 9837838 A 19980219

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11238037	A		6	G06F-015/00	

Abstract (Basic): JP 11238037 A

NOVELTY - The access control of information to a service user (100) is performed with reference to a local user's information utilization authority information provided by an operating system (OS) to the acquired local user name corresponding to the service user who performs the request of the correspondence information (120). DETAILED DESCRIPTION - The correspondence information corresponding to the convergence of the service user with the information utilization authority of an equivalent range, is prepared. A computer (10) matches the convergence of the service user and a local user based on a correspondence information, by executing a server program (110) after receiving a predetermined request from the service user. The access path identifier of the server program is returned to the service user to establish an access path between the service user and the server program. INDEPENDENT CLAIMS are also included for the following:a recording medium which stores the information access control procedure; an information access control apparatus; and an information access control program.

USE - Applicable for computer information service system.

ADVANTAGE - Prevents easy usage of information utilization authority of service user in service system. Prevents repetitive management of information utilization authority of service user.

DESCRIPTION OF DRAWING(S) - The figure shows the component diagram and the information flow of a computer. (10) Computer; (100) Service user; (110) Server program; (120) Correspondence information.

Dwg.1/5

Title Terms: INFORMATION; ACCESS; CONTROL; PROCEDURE; COMPUTER; INFORMATION ; SERVICE; SYSTEM; CONTROL; DATA; ACCESS; SERVICE; USER; REFERENCE; INFORMATION; AUTHORISE; ACQUIRE; LOCAL; USER; NAME; CORRESPOND; SERVICE; USER; REQUEST; CORRESPOND; INFORMATION

Derwent Class: T01

International Patent Class (Main): G06F-015/00

International Patent Class (Additional): G06F-012/14

File Segment: EPI

14/5/41 (Item 29 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011319788 \*\*Image available\*\*

WPI Acc No: 1997-297692/199727

Related WPI Acc No: 1998-520627; 2000-655300; 2002-238397; 2003-645015

XRPX Acc No: N97-246043

Computer system including device with number of identifiers - controls access to selected partition in accordance with command transferred together with device identifier

Patent Assignee: HITACHI LTD (HITA )

Inventor: HONDA K; MATSUNAMI N; OEDA T; YOSHIDA M

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5634111	A	19970527	US 9331880	A	19930316	199727 B
JP 10307687	A	19981117	JP 9258102	A	19920316	199905
			JP 98138383	A	19920316	
JP 10320121	A	19981204	JP 9258102	A	19920316	199908
			JP 98138377	A	19920316	

Priority Applications (No Type Date): JP 9258102 A 19920316; JP 98138383 A 19920316; JP 98138377 A 19920316

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 5634111 A 14 G06F-012/06

JP 10307687 A 8 G06F-003/06 Div ex application JP 9258102

JP 10320121 A 9 G06F-003/06 Div ex application JP 9258102

Abstract (Basic): US 5634111 A

A computer system comprises a number of computers and an external

storage device which is connected to the number of computers via a common bus. Each of the number of computers includes a device for transferring device identifiers (ID's) and commands to the external storage device. The external storage device comprises a division device for dividing a storage area of the external storage device into a number of partitions and a device for affording a number of respective device ID's to each of the divided partitions.

A device selects a partition which has been afforded a device ID corresponding to the device ID transferred from the computers. A device controls access to the selected partition in accordance with a command transferred together with the device ID and transfers a result of the access to the computers. Each of the device IDs transferred to the external storage device from each of the computers differ from each other.

ADVANTAGE - Is permitted to handle data of different properties by use of identical peripheral device, and also external storage device which serves as peripheral device. Is permitted to share peripheral device among number of computers.

Dwg.4/7

Title Terms: COMPUTER; SYSTEM; DEVICE; NUMBER; IDENTIFY; CONTROL; ACCESS; SELECT; PARTITION; ACCORD; COMMAND; TRANSFER; DEVICE; IDENTIFY

Derwent Class: T01

International Patent Class (Main): G06F-003/06 ; G06F-012/06

International Patent Class (Additional): G06F-013/00 ; G06F-013/10 ;  
G06F-013/14

File Segment: EPI

14/5/42 (Item 30 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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010859312 \*\*Image available\*\*

WPI Acc No: 1996-356263/199636

XRPX Acc No: N96-300452

Non-interrupt-based message transfer in multi-nodal system - transmits messages from one node to second node including identification data that second node uses to retrieve data

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC ); IBM CORP (IBMC )

Inventor: BRADY J T; FINNEY D W; NOWLEN D R

Number of Countries: 005 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 725351	A2	19960807	EP 96300369	A	19960118	199636	B
JP 8288941	A	19961101	JP 969496	A	19960123	199703	
US 5630059	A	19970513	US 95383962	A	19950206	199725	
JP 3165022	B2	20010514	JP 969496	A	19960123	200129	

Priority Applications (No Type Date): US 95383962 A 19950206

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 725351 A2 E 16 G06F-013/36

Designated States (Regional): DE FR GB

JP 8288941 A 13 H04L-012/00

US 5630059 A 14 G06F-013/00

JP 3165022 B2 13 H04L-012/00 Previous Publ. patent JP 8288941

Abstract (Basic): EP 725351 A

The multi-nodal computer system has nodes (A-E) connected by a network (20). The nodes can provide access to a multiple disk storage system (12-18) and has communication links (B,C) to a number of hosts. Each node has a microprocessor and input and output ports that serve many logical input and output ports.

When the logical links are established, buffer and queue links are prepared for subsequent transactions. When a system requires data from another node it sends a request that includes the destination for the data and the location of the data. This is entered in the prepared buffers and causes the data to be found and returned without involving

microprocessor interrupts.

ADVANTAGE - Provides inter-nodal communication that uses few interrupts and provides efficient communications.

Dwg.1/4

Title Terms: NON; INTERRUPT; BASED; MESSAGE; TRANSFER; MULTI; NODE; SYSTEM; TRANSMIT; MESSAGE; ONE; NODE; SECOND; NODE; IDENTIFY; DATA; SECOND; NODE; RETRIEVAL; DATA

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/00 ; G06F-013/36 ; H04L-012/00

International Patent Class (Additional): G06F-015/173 ; G06F-015/177 ; H04L-012/40

File Segment: EPI

14/5/43 (Item 31 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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010271413 \*\*Image available\*\*

WPI Acc No: 1995-172668/199523

Related WPI Acc No: 1997-014536

XRPX Acc No: N96-064648

Data security operation in multiprocessor shared memory system - using security record associated with user identifier code, for specifying additional access rights for device associated with record, and access control circuit

Patent Assignee: HANOVER RES & DEV LTD (HANO-N)

Inventor: MURPHY F

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
TE 62686	B3	19950222	IE 922906	A	19921216	199523 B
			IE 94767	A	19921216	

Priority Applications (No Type Date): IE 922906 A 19921216; IE 94767 A 19921216

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
IE 62686	B3	13	G06F-012/14	Div ex application	IE 922906

Abstract (Basic): IE 62686 B

The data security control process method is carried out by a number of data processors connected in a cluster, each processor being connected to a storage device and having a memory circuit and a data access control circuit. Each processor stores in a storage device a user identifier code, and addresses for blocks of data which are addressable by a data device. The blocks of data are associated with the user identifier codes. A security record is stored in the storage device. The security record is associated with a user identifier code. The security record includes at least one other user identifier code. The indicator and the associated user identifier code in the security record, in combination, specify additional access rights for the data device associated with the security record.

The data access control circuit allows access to the blocks of data associated with the user identifier code upon receipt of an access request from a data device, and the user interface transmits a request for access to additional blocks of data and the data access control circuit subsequently referring to the security record to determine which blocks of data may be accessed temporarily by the data device.

ADVANTAGE - Achieves optimum advantages of strict access control and maximum flexibility to provide for efficient management of organisation.

Dwg.2/2

Title Terms: DATA; SECURE; OPERATE; MULTIPROCESSOR; SHARE; MEMORY; SYSTEM; SECURE; RECORD; ASSOCIATE; USER; IDENTIFY; CODE; SPECIFIED; ADD; ACCESS; DEVICE; ASSOCIATE; RECORD; ACCESS; CONTROL; CIRCUIT

Derwent Class: T01  
International Patent Class (Main): G06F-012/14  
File Segment: EPI

14/5/45 (Item 33 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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009533980 \*\*Image available\*\*

WPI Acc No: 1993-227521/199328

XRPX Acc No: N93-174589

Virus protection device for computers - uses identification means and identification unit to confirm user identity to control access to restricted areas of computer data and programs

Patent Assignee: ONYX TECHNOLOGIES USA INC (ONYX-N)

Inventor: KEDMI S Y; LENGER E D

Number of Countries: 019 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9313477	A1	19930708	WO 92US11374	A	19921223	199328 B

Priority Applications (No Type Date): US 91812733 A 19911223

Cited Patents: US 4757533; US 5012514

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9313477 A1 32 G06F-009/06

Designated States (National): CA JP KR

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL  
PT SE

Abstract (Basic): WO 9313477 A

The protection device (10) comprises a manager (40), a protected area definition unit (42), and a command recognition unit (44). The manager provides installation operations, and classification and identification of system users. The definition unit defines a protected area (30) and identifies files within the protected area. The recognition unit recognizes when one of a predetermined set of commands stored in a protected file allocation table (FAT) (32).

An identification means (46) is connected to an identification unit (48) which compares the identification received to that expected for a particular user and notifies the manager whether a match exists. Without a match access to the protected area (30) is denied. The definition unit searches a FAT (24) provided by the CPU (14) for the sector of disks where the selected files are stored.

ADVANTAGE - Provides protection against virus programs without requiring knowledge of any virus programs.

Dwg.2/12

Title Terms: VIRUS; PROTECT; DEVICE; COMPUTER; IDENTIFY; IDENTIFY; UNIT; CONFIRM; USER; IDENTIFY; CONTROL; ACCESS; RESTRICT; AREA; COMPUTER; DATA; PROGRAM

Derwent Class: T01

International Patent Class (Main): G06F-009/06

International Patent Class (Additional): G06F-015/24

File Segment: EPI

20/5/7 (Item 7 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

06577562 \*\*Image available\*\*  
PERIPHERAL DEVICE AND ITS CONTROL METHOD, AND STORAGE MEDIUM

PUB. NO.: 2000-163353 [JP 2000163353 A]  
PUBLISHED: June 16, 2000 (20000616)  
INVENTOR(s): SHIMODAIRA MASAKO  
ENDO TOMOAKI  
SASAKI YASUHIKO  
MATSUO TAKUYUKI  
OSADA MAMORU  
INOUE TAKASHI  
TAKAGI TOMOKO  
APPLICANT(s): CANON INC  
APPL. NO.: 10-333969 [JP 98333969]  
FILED: November 25, 1998 (19981125)  
INTL CLASS: G06F-013/00; G06F-001/00; G06F-003/00

#### ABSTRACT

PROBLEM TO BE SOLVED: To prevent a job from being discarded exceeding a charging limit by holding a charging limit value for a **client** and restricting the **client** to **transmit** a job according to the result of a decision on whether or not a charged amount corresponding to a job request from the client reaches the limit value.

SOLUTION: A total management manager 410 holds an attribute table, a subaddress, a service **ID**, a **user** authentication table, an **access control** table, an event setting table, an event format table, an account ID table, and a table of users allowed to charge respective account IDs on a disk and totally manages the operation of a controller. Then the charging limit value for the client is held and the **client** is restricted to **send** the job according to whether or not the charged amount corresponding to the job request from the client reaches the limit value.

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20/5/8 (Item 8 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05957590 \*\*Image available\*\*  
CLIENT/SERVER SYSTEM, SERVER AND CLIENT TERMINALS

PUB. NO.: 10-240690 [JP 10240690 A]  
PUBLISHED: September 11, 1998 (19980911)  
INVENTOR(s): SUZAKI SEIICHI  
UMEKI HISASHI  
UMEZAWA KATSUYUKI  
MIYAZAKI SEIJI  
MATSUNAGA KAZUO  
KITAGAWA MAKOTO  
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 09-043738 [JP 9743738]  
FILED: February 27, 1997 (19970227)  
INTL CLASS: [6] G06F-015/00; G06F-012/14  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 45.2 (INFORMATION PROCESSING -- Memory Units)  
JAPIO KEYWORD: R011 (LIQUID CRYSTALS)

#### ABSTRACT

PROBLEM TO BE SOLVED: To appropriately **manage** the **access** to service of a **user** even in the case of requiring the approval of another user at the time of utilizing the service.

SOLUTION: This server 2 performs a log-in processing by using a **user identifier** and a password sent from the client terminal 1 and a user management file 202 provided in itself first. Then, service management is performed by using a service provision **request** sent from the **client terminal** 1 and a service management file 42 provided in itself. In the case of judging that it is required to obtain the approval from the other user at the time of providing the service, the approval is requested to the client terminal 1 used by the user. In the case that a response to the approval request is approval acceptance, a processing corresponding to the service provision request is performed. In the case of approval denial, the user who requests the service provision is informed of that effect.

20/5/9 (Item 9 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05365346 \*\*Image available\*\*  
INTERACTIVE MANAGEMENT TYPE INFORMATION PROVIDING METHOD AND DEVICE THEREFOR

PUB. NO.: 08-320846 [JP 8320846 A]  
PUBLISHED: December 03, 1996 (19961203)  
INVENTOR(s): SAITO NORIAKI  
MIZUSAWA JUNICHI  
APPLICANT(s): NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 07-125387 [JP 95125387]  
FILED: May 24, 1995 (19950524)  
INTL CLASS: [6] G06F-015/00; G06F-013/00  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 45.2 (INFORMATION PROCESSING -- Memory Units)

#### ABSTRACT

PURPOSE: To enable high-level **access control** for WWW communication services intended for an unspecified number of users.

CONSTITUTION: A client-side computer 101 and a server-side computer 102 are connected by a network, 103. The **computer** 101 issues an information **acquisition request** to the **computer** 102 according to a URL from a user and the 102 sends information in the information storage part 203 shown with the URL of the request to the 101. The service control part 401 of the 102 generates an interaction ID in the initial stage of access from the user, registers it in an interaction storage part 405, and provides information obtained by adding the interaction ID to the URL required for next access for the **user**. The interaction **ID** is taken over by the URL of the information acquisition request issued by the 101 and the 401 checks the interaction ID sent from the 101 to perform the **access control**.

20/5/10 (Item 10 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04947208 \*\*Image available\*\*  
DISTRIBUTED DATA MANAGING SYSTEM

PUB. NO.: 07-239808 [JP 7239808 A]  
PUBLISHED: September 12, 1995 (19950912)  
INVENTOR(s): IGUCHI TOSHIAKI  
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 06-031476 [JP 9431476]  
FILED: March 01, 1994 (19940301)  
INTL CLASS: [6] G06F-012/00; G06F-013/00; G06F-015/16  
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 45.4 (INFORMATION PROCESSING -- Computer Applications)

#### ABSTRACT

PURPOSE: To suppress as much as possible the amount of data to be transferred and the frequency of transfer between computers constituted on a distributed network and to improve response time by transferring data for the unit of a page including an access requested part corresponding to a file access request from a client computer.

CONSTITUTION: When an 'on-demand page transfer request' is issued from a client computer 20 to a server computer 10, an on-demand transfer means 10b checks the file header of a real file store 11 and calculates the storage position of the transfer requested page by referring to a page managing part after the identity of the relevant file is confirmed. Next, the access page number of an access control part is investigated and when there is not the same page number as the transfer requested page number, the transfer requested page number is set to the access page number. Further, the identification number of the client computer 20 is set to a client, and the file transfer of requested page data is executed through a transmitting means 10a to the client computer 20.

20/5/11 (Item 11 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03474859 \*\*Image available\*\*  
INFORMATION RESOURCES CONTROLLER

PUB. NO.: 03-137759 [JP 3137759 A]  
PUBLISHED: June 12, 1991 (19910612)  
INVENTOR(s): MATSUNAGA HIROSHI  
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 01-277532 [JP 89277532]  
FILED: October 24, 1989 (19891024)  
INTL CLASS: [5] G06F-015/00; H04L-009/32; H04L-012/22  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 44.3 (COMMUNICATION -- Telegraphy)  
JOURNAL: Section: P, Section No. 1249, Vol. 15, No. 356, Pg. 156, September 09, 1991 (19910909)

#### ABSTRACT

PURPOSE: To improve serviceability, flexibility and efficiency by permitting a table access control function to refer to an information control table, collating it with user identification confirmation information and setting and executing an access confirmation mode.

CONSTITUTION: When a network control processor 5 receives a network information request given from a terminal equipment 3 if the general user terminal equipment 3 calls a network control device 4 and obtains the supply of network information resources, a user is identified by reception data. If it is judged not to be a specified user 2, the processor 5 selects a general user routine, gives a prescribed operation instruction to respective programs, a related logical circuit and a storage device and identifies a request content from reception data. When the processor 5 receives a hierarchy password transmitted from the specified user terminal equipment 2, a password processing circuit 7 executes a confirmation processing and gives hierarchy password confirmation corresponding to the access information resources and access permission to an access control circuit 8.

20/5/12 (Item 12 from file: 347)  
DIALOG(R)File 347:JAPIO  
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02469759 \*\*Image available\*\*  
WORK STATION

PUB. NO.: 63-086659 [JP 63086659 A]  
PUBLISHED: April 18, 1988 (19880418)  
INVENTOR(s): OTOBE KO  
MATSUURA HIROSHI  
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 61-230069 [JP 86230069]  
FILED: September 30, 1986 (19860930)  
INTL CLASS: [4] H04M-011/00; G06F-015/21; H04L-009/00  
JAPIO CLASS: 44.4 (COMMUNICATION -- Telephone); 44.3 (COMMUNICATION --  
Telegraphy); 45.4 (INFORMATION PROCESSING -- Computer  
Applications)  
JAPIO KEYWORD: R108 (INFORMATION PROCESSING -- Speech Recognition &  
Synthesis)  
JOURNAL: Section: E, Section No. 652, Vol. 12, No. 322, Pg. 58, August  
31, 1988 (19880831)

#### ABSTRACT

PURPOSE: To enable the access of a work station through a communication means from an optional place by comparing and collating inputted individual information with previously registered individual information and directly corresponding to an access request only when an accessing person is a registered individual person.

CONSTITUTION: When the access request is received through the communication means such as a telephone, etc., the individual information such as an individual name and an individual ID number, etc., inputted from the accessing person through the communication means is recognized and the inputted individual information is compared and collated with previously registered individual information to decide whether the accessing person is previously registered person or not. And when the accessing person is the previously registered individual person, the incoming call is connected to the work station main body so as to directly correspond to the access request. Meanwhile, when the accessing person is the one other than the previously registered person, the incoming call is once connected to a telephone terminal and then connected to the work station main body so as to deal with the access request by controlling the connection by an operator at need.

20/5/21 (Item 9 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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015004581 \*\*Image available\*\*  
WPI Acc No: 2003-065098/200306  
XRPX Acc No: N03-050858

File sharing system through network, acquires file from file server ,  
according to authorization of request , and transmits acquired file  
to requested terminal  
Patent Assignee: TOSHIBA KK (TOKE )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applcat No Kind Date Week  
JP 2002342144 A 20021129 JP 2001151188 A 20010521 200306 B

Priority Applications (No Type Date): JP 2001151188 A 20010521

Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
JP 2002342144 A 8 G06F-012/00

Abstract (Basic): JP 2002342144 A

NOVELTY - A server (2) manages the access control  
information, based on an access request from a terminal (1). The  
server acquires the file from a file server (3), and transmits to the  
requested terminal , based on the authorization of request.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the  
following:

- (1) File sharing program; and
- (2) File delivery method.

USE - For sharing files through network.

ADVANTAGE - Ensures high degree security, and realizes flexible access control .

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the file sharing system. (Drawing includes non-English language text).

Terminal (1)

Server (2)

File server (3)

pp; 8 DwgNo 1/4

Title Terms: FILE; SHARE; SYSTEM; THROUGH; NETWORK; ACQUIRE; FILE; FILE; SERVE; ACCORD; AUTHORISE; REQUEST; TRANSMIT; ACQUIRE; FILE; REQUEST; TERMINAL

Derwent Class: T01

International Patent Class (Main): G06F-012/00

International Patent Class (Additional): G06F-012/14; G06F-015/00

File Segment: EPI

20/5/25 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014235087 \*\*Image available\*\*

WPI Acc No: 2002-055785/200207

XRPX Acc No: N02-041066

Multi-level access control provision in shared computer window, involves executing command in system, when received command from remote user, directed towards local computer system, is passed through filtering process

Patent Assignee: SUN MICROSYSTEMS INC (SUNM )

Inventor: BEGOLE J; MORDECAI N; TANG J

Number of Countries: 093 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200190894	A2	20011129	WO 2001US16543	A	20010521	200207 B
AU 200164797	A	20011203	AU 200164797	A	20010521	200221

Priority Applications (No Type Date): US 2000577223 A 20000523

Patent Details:

Patent No	Kind	Lan	Pg	Main	IPC	Filing Notes
WO 200190894	A2	E	34	G06F	009/46	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200164797 A G06F-009/46 Based on patent WO 200190894

Abstract (Basic): WO 200190894 A2

NOVELTY - A command received from the remote user on the system, is directed towards the local computer system in order to operate the system. When the command passing through filtering process, the command is executed on the system. The command on shared window on system is displayed, so that remote user can view the command.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Computer readable storage medium storing program instruction;
- (b) Shared window provision apparatus

USE - For providing multi- level access control in shared computer window for remotely controlling computer system.

ADVANTAGE - Allows the user to easily control multi- level access in computer system, thereby efficiency of the system is improved.

DESCRIPTION OF DRAWING(S) - The figure shows the window for allowing remote user.

pp: 34 DwgNo 7/8  
Title Terms: MULTI; LEVEL; ACCESS; CONTROL; PROVISION; SHARE; COMPUTER;  
WINDOW; EXECUTE; COMMAND; SYSTEM; RECEIVE; COMMAND; REMOTE; USER; DIRECT;  
LOCAL; COMPUTER; SYSTEM; PASS; THROUGH; FILTER; PROCESS  
Derwent Class: T01  
International Patent Class (Main): G06F-009/46  
File Segment: EPI

20/5/26 (Item 14 from file: 350)

DIALOG(R) File 350: Derwent WPIX  
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014118000 \*\*Image available\*\*

WPI Acc No: 2001-602212/200168

Related WPI Acc No: 2002-130161; 2002-130172

XRPX Acc No: N01-449391

Internet access prevention method involves maintaining communication with  
a remote device using multiple communication protocol layers, when  
bridging communication is inhibited

Patent Assignee: THOMSON LICENSING SA (CSFC )

Inventor: JACKSON R E; MAYERNICK M R; NATARAJAN S; POLIT P P; WITTMAN B A

Number of Countries: 095 Number of Patents: 011

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200130009	A2	20010426	WO 2000US28344	A	20001013	200168	B
AU 200113327	A	20010430	AU 200113327	A	20001013	200168	
BR 200014773	A	20020611	BR 200014773	A	20001013	200248	
			WO 2000US28344	A	20001013		
EP 1222765	A2	20020717	EP 2000975248	A	20001013	200254	
			WO 2000US28344	A	20001013		
EP 1224542	A2	20020724	EP 2000970857	A	20001013	200256	
			WO 2000US28298	A	20001013		
KR 2002038811	A	20020523	KR 2002704575	A	20020410	200274	
KR 2002047222	A	20020621	KR 2002704574	A	20020410	200280	
CN 1379945	A	20021113	CN 2000814293	A	20001013	200317	
JP 2003512763	W	20030402	WO 2000US28344	A	20001013	200325	
			JP 2001531243	A	20001013		
MX 2002003711	A1	20020901	WO 2000US28345	A	20001013	200370	
			MX 20023711	A	20020412		
MX 2002003709	A1	20020901	WO 2000US28344	A	20001013	200370	
			MX 20023709	A	20020412		

Priority Applications (No Type Date): US 2000567530 A 20000509; US 99159788  
P 19991015; US 2000567398 A 20000509; US 2000567367 A 20000509

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200130009 A2 E 33 H04L-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO  
RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200113327 A Based on patent WO 200130009

BR 200014773 A H04L-029/06 Based on patent WO 200130009

EP 1222765 A2 E H04L-001/00 Based on patent WO 200130009

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI

EP 1224542 A2 E G06F-009/44 Based on patent WO 200129658

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SI

KR 2002038811 A G06F-015/00

KR 2002047222 A H04L-012/22

CN 1379945 A H04L-029/06

JP 2003512763 W 47 H04L-012/46 Based on patent WO 200130009

MX 2002003711 A1 H04L-029/00 Based on patent WO 200130043

MX 2002003709 A1 H04L-000/00000 Based on patent WO 200130009

Abstract (Basic): WO 200130009 A2

NOVELTY - Authorization of user command is validated and internet access is inhibited by limiting bridging communication between a pair of ports in response to the validated user command. The communication is maintained with a remote device on a link via one of ports using multiple communication protocol layers, when bridging communication is inhibited.

USE - For use in secure internet compatible bidirectional communication device such as cable modem computer, TV, VCR, set top box or associated peripheral device.

ADVANTAGE - Shields the consumer network services connected to the modem from exterior traffic. Also prevents unauthorized users from accessing the internet through modem.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart of the method for inhibiting and unlocking internet access using cable modem.  
pp; 33 DwgNo 4/13

Title Terms: ACCESS; PREVENT; METHOD; MAINTAIN; COMMUNICATE; REMOTE; DEVICE ; MULTIPLE; COMMUNICATE; PROTOCOL; LAYER; BRIDGE; COMMUNICATE; INHIBIT

Derwent Class: T01; W01; W02; W03

International Patent Class (Main): G06F-009/44; G06F-015/00; H04L-000/00; H04L-000/00000; H04L-001/00; H04L-012/22; H04L-012/46; H04L-029/00; H04L-029/06

International Patent Class (Additional): H04L-012/66; H04N-007/10; H04N-007/173

File Segment: EPI

20/5/29 (Item 17 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013203217 \*\*Image available\*\*

WPI Acc No: 2000-375090/200032

XRPX Acc No: N00-281668

Automatic computing resource management method in information handling system, involves receiving requests from clients to access computing resource and notifying users that requests has been processed

Patent Assignee: INT BUSINESS MACHINES CORP (IBM )

Inventor: GODWIN D A; HANSEN K I

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6058426	A	20000502	US 97891914	A	19970714	200032 B

Priority Applications (No Type Date): US 97891914 A 19970714

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6058426	A	17	G06F-012/00	

Abstract (Basic): US 6058426 A

NOVELTY - Computing resource management system has a distributed access administration tool (DAAT) (104) which receives request from client (112-112N) to access the computing resources, processes then and sends the request to application agents (214-214N). The application agents in turn process the request and sends a return code to DAAT, so that users are notified with the processing of resource request.

DETAILED DESCRIPTION - The DAAT server receives one or more requests from clients to access one or more computing resources. It then checks one or more rules and tasks to determine the approvals needed to the granted from the system of distributed computing environment to grant access to a requested computing resource. After obtaining the approval, the DAAT sends one or more request to the application agents through the master objects (114). The application agents inturn processes the request and sends a return code to DAAT. On receiving the return code, the DAAT checks one or more rules to determine whether notifications are to be sent to appropriate persons.

Then, the DAAT sends notification to users that their requests have been processed. INDEPENDENT CLAIMS are also included for the following:

(a) resources managing program;  
(b) apparatus for managing resource in distributed computing environment  
USE - Used in large and small business organizations using LAN for managing system resources.  
ADVANTAGE - Efficiently manages and allocates resources in information handling system. Allows users to request and obtain access to all needed resources in one place. Resource allocation and use may be easily tracked, and hence user authorization are easily revalidated or canceled at same time, thus maintaining high level of security.

DESCRIPTION OF DRAWING(S) - The figure illustrates the automatic computing resource management method.

Distributed access administration tool (104)  
Clients (112-112N)  
Master objects (114)  
Application agent (214-214N)  
pp; 17 DwgNo 2/6

Title Terms: AUTOMATIC; COMPUTATION; RESOURCE; MANAGEMENT; METHOD; INFORMATION; HANDLE; SYSTEM; RECEIVE; REQUEST; CLIENT; ACCESS; COMPUTATION; RESOURCE; NOTIFICATION; USER; REQUEST; PROCESS

Derwent Class: T01

International Patent Class (Main): G06F-012/00

File Segment: EPI

20/5/31 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013057076 \*\*Image available\*\*

WPI Acc No: 2000-228944/200020

XRPX Acc No: N00-172152

**Mobile type agent system**

Patent Assignee: TOSHIBA KK (TOKE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000047997	A	20000218	JP 98217520	A	1998073	200020 B

Priority Applications (No Type Date): JP 98217520 A 19980731

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000047997	A	18	G06F-015/16	

Abstract (Basic): JP 2000047997 A

NOVELTY - A right-to- access limit enquiry unit which performs an enquiry to the agent authentication server (120) is provided in each agent system (100) to check the authority of agent operation . The server is provided with a right-to- access limit inspection which judges whether access is legitimate when the right-to- access limit opposing to an agent is maintained and there is an enquiry.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for the following:

- (a) a mobile type agent management control procedure;
- (b) and a distributed component computer system.

USE - Mobile type agent system.

ADVANTAGE - Allows user 's authority to an agent to be maintained. Prevents tapping and alteration during moving of agent. Achieves security, authentication, and improvement of access control

DESCRIPTION OF DRAWING(S) - The figure is a block diagram showing the components of a multiple agent system which consists of multiple agent, and distributed component computer system which consists of an agent authentication server.

Agent system (100)  
Agent authentication server (120)  
pp; 18 DwgNo 1/18  
Title Terms: MOBILE; TYPE; AGENT; SYSTEM  
Derwent Class: T01  
International Patent Class (Main): G06F-015/16  
International Patent Class (Additional): G06F-009/44  
File Segment: EPI

20/5/34 (Item 22 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012702276  
WPI Acc No: 1999-508387/199942  
XRPX Acc No: N99-378884

**Method of managing secure data**

Patent Assignee: HO A P (HOAP-I)

Inventor: HO A P; CHEN K M

Number of Countries: 085 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9938080	A1	19990729	WO 99US1366	A	19990121	199942	B
AU 9923355	A	19990809	AU 9923355	A	19990121	200001	
US 6148342	A	20001114	US 9872740	P	19980127	200060	
			US 99229694	A	19990113		
EP 1078318	A1	20010228	EP 99903299	A	19990121	200113	
			WO 99US1366	A	19990121		
CN 1295688	A	20010516	CN 99804483	A	19990121	200146	
JP 2002501250	W	20020115	WO 99US1366	A	19990121	200207	
			JP 2000528918	A	19990121		
NZ 506554	A	20020328	NZ 506554	A	19990121	200232	
			WO 99US1366	A	19990121		
AU 761680	B	20030605	AU 9923355	A	19990121	200341	
TW 515957	A	20030101	TW 99101168	A	19990126	200355	

Priority Applications (No Type Date): US 99229694 A 19990113; US 9872740 P 19980127

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9938080	A1	E	23	G06F-013/00		
Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW						
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW						
AU 9923355 A Based on patent WO 9938080						
US 6148342 A G06F-013/00 Provisional application US 9872740						
EP 1078318	A1	E	37	G06F-013/00	Based on patent WO 9938080	
Designated States (Regional): DE FI GB SE						
CN 1295688	A			G06F-013/00		
JP 2002501250	W		37	G06F-012/00	Based on patent WO 9938080	
NZ 506554	A			G06F-013/00	Based on patent WO 9938080	
AU 761680	B			G06F-013/00	Previous Publ. patent AU 9923355	
					Based on patent WO 9938080	
TW 515957	A			G06F-013/10		

Abstract (Basic): WO 9938080 A1

NOVELTY - A receiving terminal receives a user request for data and encrypts an identifier using a first code and a data access request using a second code. The two encrypted items are passed to a first database which decodes the identifier and determines whether the user has authorization to request the desired data. If authorized, the first database then retrieves an associated access level and internal identifier and forwards these with the still encrypted data access request to a second, separate database which retrieves the

requested data.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a system for managing sensitive data.

USE - Storing highly sensitive data securely.

ADVANTAGE - Prevents System Administrators from accessing sensitive information by restricting their access to the first database.

pp; 23 DwgNo 0/0

Title Terms: METHOD; MANAGE; SECURE; DATA

Derwent Class: T01; W01

International Patent Class (Main): G06F-012/00; G06F-013/00; G06F-013/10

International Patent Class (Additional): G06F-012/14; G06F-013/36;

H04L-009/32

File Segment: EPI

20/5/37 (Item 25 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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011570706 \*\*Image available\*\*

WPI Acc No: 1997-547187/199750

XRPX Acc No: N97-456071

WWW gateway system for computer, network - has user management communication unit to communicate with user management control unit which forwards detection request from WWW gateway main body to management unit

Patent Assignee: HITACHI LTD (HITA )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9265443	A	19971007	JP 9675863	A	19960329	199750 B

Priority Applications (No Type Date): JP 9675863 A 19960329

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9265443	A	19		G06F-013/00	

Abstract (Basic): JP 9265443 A

The system (7) has an user authentication information table (19) which matches and user authentication information input by a client with an user authentication identifier . The user authentication information is supplied based on an user authentication request. The user authentication information is detected based on detection request. An user authentication information management unit (17) deletes the authentication information which controls the access time for every user. An existing system enquiry unit (18) receives the user authentication information from the management unit. A WWW gateway communication unit (15) communicates with a WWW network. An user authentication request is sent to the existing system inquiry unit based on the user authentication information registration request received from the WWW gateway mainbody through the communication unit . The authentication information identifier acquires the authentication registration request for the management unit .

The authentication information request received from the network through the communication unit is forwarded to the management. An user management controller (13) forwards the deletion request received from the main body through the communication unit according to a communication break request from the user, to the management unit. An user management communication unit (14) communicates with the user management control unit for informing deletion request.

ADVANTAGE - Improves security of user authentication information.

Dwg.1/13

Title Terms: GATEWAY; SYSTEM; COMPUTER; NETWORK; USER; MANAGEMENT;

COMMUNICATE; UNIT; COMMUNICATE; USER; MANAGEMENT; CONTROL; UNIT; FORWARD; DETECT; REQUEST; GATEWAY; MAIN; BODY; MANAGEMENT; UNIT

Derwent Class: T01

International Patent Class (Main): G06F-013/00

International Patent Class (Additional): G06F-001/00; G06F-015/00  
File Segment: EPI

20/5/38 (Item 26 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011564776 \*\*Image available\*\*  
WPI Acc No: 1997-541257/199750  
XRPX Acc No: N97-450592

**Network printing apparatus - includes job receptionist unit which receives printing request of user comprising his name, name identifier and access classification, corresponding to protocol**  
Patent Assignee: FUJI XEROX CO LTD (XERF )

Inventor: NISHIZAWA T

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9258932	A	19971003	JP 9671835	A	19960327	199750 B
US 5987228	A	19991116	US 97824868	A	19970326	200001

Priority Applications (No Type Date): JP 9671835 A 19960327

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 9258932	A	7	G06F-003/12	
US 5987228	A		G06F-015/00	

Abstract (Basic): JP 9258932 A

The apparatus includes a job receptionist unit (1) which receives the printing request from a user. The user's name and his name identifier are extracted by a name and name identifier acquisition unit (2) from the printing request. An access - control table (3) is provided, which previously registers some pre-known person's name, their name identifier and their corresponding printing access classification. A name judging unit (5) and name identifier judging unit (4) are provided, which judge the respective extracted name of user and the name identifier are already registered in the access control table. When the extracted name and the name identifier are judged to be not registered in the table, the received printing request is rejected.

When the name and the name identifier are judged to be registered in the memory, an authority judging unit (6) judges whether the access classification of the received printing request, matches with the corresponding access classification registered in the access control table. When the concurrence of the access classification is judged, the access of printing request is approved.

ADVANTAGE - Enables to receive printing request from user with few protocols. Enables free control of printing access .

Dwg.1/5

Title Terms: NETWORK; PRINT; APPARATUS; JOB; UNIT; RECEIVE; PRINT; REQUEST; USER; COMPRISE; NAME; NAME; IDENTIFY; ACCESS; CLASSIFY; CORRESPOND; PROTOCOL

Derwent Class: P75; T01; T04

International Patent Class (Main): G06F-003/12; G06F-015/00

International Patent Class (Additional): B41J-029/38; G06F-001/00; G06F-013/00

File Segment: EPI; EngPI

20/5/39 (Item 27 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011394434 \*\*Image available\*\*  
WPI Acc No: 1997-372341/199734  
XRPX Acc No: N97-309251

Controlling delegation of access rights from clients to untrusted

intermediaries using access control programs - presenting ultimate request with access control program from requestor to server, which executes program to prevent program from compromising server security and which executes ultimate request if execution of program is successful

Patent Assignee: XEROX CORP (XERO )

Inventor: NICHOLS D A; TERRY D B; THEIMER M M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5649099	A	19970715	US 9371649	A	19930604	199734 B

Priority Applications (No Type Date): US 9371649 A 19930604

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5649099	A	83		

Abstract (Basic): US 5649099 A

ACPs are programs that encode arbitrary specifications of delegated access rights . A client creates an ACP and associates it with a request to a server, the request being made through one or more intermediaries.

When processing a request received from an intermediary, the server executes the access control program to determine whether or not to grant the request.

USE/ADVANTAGE - In computing system comprising server, client , and intermediary, to process ultimate request delivered to server as final request in chain comprising linked requests, client and all intermediaries each being associated with one linked request of chain, intermediary that delivers ultimate request to server being final intermediary in chain and being designated as requestor.

Dwg.1C/4C

Title Terms: CONTROL; ACCESS; CLIENT; ACCESS; CONTROL; PROGRAM; PRESENT; ULTIMATE; REQUEST; ACCESS; CONTROL; PROGRAM; SERVE; EXECUTE; PROGRAM; PREVENT; PROGRAM; SERVE; SECURE; EXECUTE; ULTIMATE; REQUEST; EXECUTE; PROGRAM; SUCCESS

Derwent Class: T01

International Patent Class (Main): G06F-013/00

File Segment: EPI

20/5/43 (Item 31 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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010098723 \*\*Image available\*\*

WPI Acc No: 1994-366436/199445

Related WPI Acc No: 1996-412393; 1997-479727

XRPX Acc No: N94-287034

Self-modifying access code for altering capabilities - has secure function transmitter controlling remote computer system, while secure control generator creates unique access number PIN

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: CAMPBELL J E; CHAN M J; HAJEK S F; WILTGEN P L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5365587	A	19941115	US 9329856	A	19930311	199445 B
			US 9385216	A	19930630	

Priority Applications (No Type Date): US 9385216 A 19930630; US 9329856 A 19930311

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5365587	A	21	H04L-009/32	CIP of application US 9329856

Abstract (Basic): US 5365587 A

The system includes a locally accessed computer system, a secure remote access number generator for generating an access number for selectively transmitting the access number to the locally accessed

computer system, a local secure access control within the locally accessed computer system.

The system also incorporates a data link for transmitting the access number along with a unique entered personal identification number of altering parameters of the locally accessed computer system after the locally accessed computer system has been accessed by a transmission from the secure remote access number generator, and a device within the locally accessed computer system for comparing the entered personal identification number to the access number a predetermined number of times.

USE/ADVANTAGE - For gaining access to automated tellers and security areas with verification of authorisation .. Permits selected users to access and manipulate partic files or which enable of disable of electronic system and being capable for selective modifications without physical and mechanical manipulations.

Dwg.4/12

Title Terms: SELF; MODIFIED; ACCESS; CODE; ALTER; CAPABLE; SECURE; FUNCTION ; TRANSMIT; CONTROL; REMOTE; COMPUTER; SYSTEM; SECURE; CONTROL; GENERATOR ; UNIQUE; ACCESS; NUMBER; PIN

Index Terms/Additional Words: PERSONAL; IDENTIFICATION; NUMBER

Derwent Class: T01; W01

International Patent Class (Main): H04L-009/32

International Patent Class (Additional): G06F-012/14

File Segment: EPI

20/5/45 (Item 33 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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009880341 \*\*Image available\*\*

WPI Acc No: 1994-160255/199420

XRPX Acc No: N94-126059

Authorisation of peer to peer connections in data processing - requesting access to system resources, sending authorisation token, and copy of authorisation to IOP connection manager, requesting connection with manager, validating authorisation copy, establishing connection between IOPs

Patent Assignee: INT BUSINESS MACHINES CORP (IBM )

Inventor: CARLSON B A; HUSS F L; SCHMUCKI N M; ZELENSKI R E

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Lan	Date	Applicat No	Kind	Date	Week	
EP 588415	A1		19940323	EP 93202581	A	19930903	199420	B
US 5506961	A		19960409	US 92943654	A	19920911	199620	
				US 94324289	A	19941017		
US 5542046	A		19960730	US 92943654	A	19920911	199636	
				US 94324289	A	19941017		
				US 95459451	A	19950602		
EP 588415	B1		20020109	EP 93202581	A	19930903	200211	
DE 69331424	E		20020214	DE 631424	A	19930903	200220	
				EP 93202581	A	19930903		

Priority Applications (No Type Date): US 92943654 A 19920911; US 94324289 A 19941017; US 95459451 A 19950602

Cited Patents: EP 115348

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 588415 A1 E 24 G06F-001/00

Designated States (Regional): DE FR GB

US 5506961 A 21 H04L-009/00 Cont of application US 92943654

US 5542046 A 20 G06F-013/14 Cont of application US 92943654  
Div ex application US 94324289

EP 588415 B1 E G06F-001/00

Designated States (Regional): DE FR GB

DE 69331424 E G06F-001/00 Based on patent EP 588415

Abstract (Basic): EP 588415 A

The method comprises the steps of requesting access to system resources using a connection manager residing on a IOP (120). An authorisation token is sent to a second IOP connection manager residing in a second IOP. A copy of this token is sent from the system authoriser as part of a second message transmitted on the bus (115).

A connection with the first IOP connection manager is requested via a third message contg. the token copy transmitted via the bus. The copy of the token is validated by the second IOP connection manager and a connection is established between the first and the second IOPs across the bus based on the outcome of the validation.

ADVANTAGE - Provides enhanced method and appts. for communicating data among components of computer system and for authorising connections among IOPs of computer system.

Dwg.1/12

Title Terms: AUTHORISE; PEER; PEER; CONNECT; DATA; PROCESS; REQUEST; ACCESS ; SYSTEM; RESOURCE; SEND; AUTHORISE; TOKEN; COPY; AUTHORISE; CONNECT; MANAGE; REQUEST; CONNECT; MANAGE; VALID; AUTHORISE; COPY; ESTABLISH; CONNECT

Derwent Class: T01

International Patent Class (Main): G06F-001/00; G06F-013/14; H04L-009/00

International Patent Class (Additional): G06F-012/14; G06F-013/00; G06F-013/10

\*: Segment: EPI

20/5/46 (Item 34 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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009474603 \*\*Image available\*\*

WPI Acc No: 1993-168138/199321

XRPX Acc No: N93-128701

Shared file management in network environment - organising shared network desk top, implementing network access protocol conveying accessing computer and requested function information, and implementing data base manager

Patent Assignee: APPLE COMPUTER INC (APPY )

Inventor: DIRKS P W; KENYON L A; SIDHU G S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 1316610	C	19930420	CA 587989	A	19890111	199321 B

Priority Applications (No Type Date): US 88146568 A 19880121

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
CA 1316610	C	39	G06F-015/16	

Abstract (Basic): CA 1316610 C

In a process where data is stored on a shared network memory device coupled to a number of user computers and having a network file server control program, the method of accessing , certain shared information regarding the data stored on the shared network memory device such that none of the user computers can directly manipulate the certain shared information, involves organising a shared network desk top.

A network desk top access protocol which conveys information about both the accessing user computer and the desk top function requested is implemented. A shared network desk top data base manager is then implemented for receiving messages of the network desk top access protocol from the user computer such that the instructions comprising the messages are executed by accessing the shared network desk top on the shared network memory device in a predetermined manner.

USE/ADVANTAGE - For managing various file's desk top information stored in shared desk top subject to access privileges of users .

Dwg.1c/3

Title Terms: SHARE; FILE; MANAGEMENT; NETWORK; ENVIRONMENT; ORGANISE; SHARE ; NETWORK; DESK; TOP; IMPLEMENT; NETWORK; ACCESS; PROTOCOL; CONVEY; ACCESS; COMPUTER; REQUEST; FUNCTION; INFORMATION; IMPLEMENT; DATA; BASE;

## MANAGE

Derwent Class: T01

International Patent Class (Main): G06F-015/16

International Patent Class (Additional): G06F-013/42

File Segment: EPI

20/5/50 (Item 38 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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008518336 \*\*Image available\*\*

WPI Acc No: 1991-022420/199103

XRPX Acc No: N91-017209

Data communication controller between host computer and terminal - prohibits communication between 2 devices when desirable to effect verification of information

Patent Assignee: RUDDLE I (RUDD-I); VERIVOICE INC (VERI-N); VERIVOICE I (VERI-I)

Inventor: RUDDLE I; VERIVOICE I

Number of Countries: 020 Number of Patents: 012

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9016126	A	19901227				199103	B
AU 9058438	A	19910108				199116	
EP 477281	A	19920401	EP 90910026	A	19900611	199214	
BR 9007441	A	19920616	BR 907441	A	19900611	199231	
			WO 90US3302	A	19900611		
US 5142565	A	19920825	US 89366743	A	19890614	199237	
			US 91772600	A	19911008		
AU 647740	B	19940331	AU 9058438	A	19900611	199418	
EP 477281	A4	19921028	EP 90910026	A	19900000	199524	
EP 477281	B1	19990203	EP 90910026	A	19900611	199910	
			WO 90US3302	A	19900611		
			EP 97203936	A	19900611		
EP 896463	A1	19990210	EP 90910026	A	19900611	199911	
			EP 97203936	A	19900611		
DE 69032938	E	19990318	DE 632938	A	19900611	199917	
			EP 90910026	A	19900611		
			WO 90US3302	A	19900611		
ES 2129394	T3	19990616	EP 90910026	A	19900611	199930	
CA 2060885	C	19990330	CA 2060885	A	19900611	199931	

Priority Applications (No Type Date): US 89366743 A 19890614; US 91772600 A 19911008

Cited Patents: US 4577067; US 4585904; US 4737976; US 4785408; US 4788715; US 4850005; EP 262859

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9016126	A	20			Designated States (National): AU BR CA JP KR SU Designated States (Regional): AT BE CH DE DK ES FR GB IT LU NL SE
EP 477281	A	20			Designated States (Regional): AT BE CH DE DK ES FR GB IT LI LU NL SE
BR 9007441	A		H04M-011/00		Based on patent WO 9016126
US 5142565	A	12	H04M-011/00		Cont of application US 89366743
AU 647740	B		H04L-009/32		Previous Publ. patent AU 9058438 Based on patent WO 9016126
EP 477281	B1	E	H04M-011/00		Related to application EP 97203936 Based on patent WO 9016126
EP 896463	A1	E	H04M-011/06		Div ex application EP 90910026 Div ex patent EP 477281
DE 69032938	E		H04M-011/00		Designated States (Regional): AT BE CH DE DK ES FR GB IT LI LU NL SE Based on patent EP 477281 Based on patent WO 9016126
ES 2129394	T3		H04M-011/00		Based on patent EP 477281
CA 2060885	C		H04L-009/32		

• Abstract (Basic): WO 9016126 A

The controller suspends data communication between devices until the identity of the user has been satisfactorily verified. Instead of using conventional passwords, the user is prompted for identification data consisting of returned voice transmissions over a telephone line.

Voice processing techniques are then applied to ascertain that the user's characteristics match previously supplied data. If the match is positive computer communication is established via a matrix switch controller, allowing either initial access or access to more secure data levels.

ADVANTAGE - Provides additional protection against unauthorised access of computer system. (20pp Dwg.No.1/6

Title Terms: DATA; COMMUNICATE; CONTROL; HOST; COMPUTER; TERMINAL; PROHIBIT ; COMMUNICATE; DEVICE; EFFECT; VERIFICATION; INFORMATION

Derwent Class: T01; W01

International Patent Class (Main): H04L-009/32; H04M-011/00; H04M-011/06

International Patent Class (Additional): G06F-001/00

File Segment: EPI

File 8:Ei Compendex(R) 1970-2003/Dec W2  
     (c) 2003 Elsevier Eng. Info. Inc.  
 File 35:Dissertation Abs Online 1861-2003/Nov  
     (c) 2003 ProQuest Info&Learning  
 File 202:Info. Sci. & Tech. Abs. 1966-2003/Nov 17  
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 File 34:SciSearch(R) Cited Ref Sci 1990-2003/Dec W3  
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 File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Nov  
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     (c) 2003 FIZ TECHNIK  
 File 438:Library Lit. & Info. Science 1984-2003/Nov  
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Set	Items	Description
S1	7963974	FUNCTION OR COMMAND OR REQUEST? ? OR TASK? ? OR JOB? ? OR - PROCEDURE? ? OR ACTION? ?
S2	368352	S1(5N) (SEND??? OR SENT OR FORWARD? OR TRANSFER???? OR CONV- EY? OR TRANSMIT? OR TRANSMISSION OR DELIVER? OR COMMUNICAT? OR PROVID??? OR REDIRECT? OR DIRECT??? OR DELEGAT? OR RELAY???)
S3	174242	S1(5N) (DOWNLOAD? OR UPLOAD? OR RECEIV??? OR RECEIPT OR OBT- AIN? OR GET??? OR ACQUIR??? OR ACQUISITION)
S4	11715	S2:S3(5N) (SERVER OR CLIENT OR NODE OR TERMINAL OR PC OR CO- MPUTER OR WORK()STATION OR WORKSTATION OR DEVICE OR UNIT)
S5	4431259	ID OR IDENTIFIER? ? OR IDENTIFICATION OR IDENTIFYING OR ID- ENTITY OR ATTRIBUTE? ? OR PROFILE? ? OR AUTHORIZATION OR AUTH- ORISATION OR AUTHORITY OR PERMISSIONS OR RIGHTS OR PRIVILEGE? ? OR SECURITY()CLEARANCE OR CREDENTIAL? ?
S6	39737	(ACCESS OR CLEARANCE OR SECURITY OR CONFIDEN?) (3N) (LEVEL? - OR GRADE OR GRADES OR STANDING OR RATING? ? OR CLASS OR CLASS- IFICATION OR CATEGOR?)
S7	26343	S5:S6(3N) (CLIENT? ? OR NODE? ? OR TERMINAL? ? OR PC? ? OR - COMPUTER? ? OR WORK()STATION? ? OR WORKSTATION? ?)
S8	56988	S5:S6(3N) (PERSON? ? OR INDIVIDUAL? ? OR EMPLOYEE? OR MEMBE- R? ? OR ENTITY OR ENTITIES OR STUDENT? ? OR SOMEONE OR ANYONE OR USER? ? OR SUBSCRIBER? ? OR CUSTOMER? ? OR REQUESTOR? ?)
S9	78581	ACCESS???(5N) (LIMIT??? OR RESTRICT? OR FILTER??? OR CONFIN? OR CONTROL? OR REGULAT? OR MANAG?)
S10	9	S4 AND S7:S8 AND S9
S11	8	RD (unique items)

11/5/1 (Item 1 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
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05832116 E.I. No: EIP01246536211  
**Title:** Cross-domain one-shot authorization using smart cards  
**Author:** Au, R.; Looi, M.; Ashley, P.  
**Corporate Source:** Information Security Research Centre Queensland University of Technology, Brisbane, Australia  
**Conference Title:** 7th ACM Conference on Computer Communications Security  
**Conference Location:** Athens, Greece **Conference Date:** 20001101-20001104  
**Sponsor:** ACM SIGSAC  
**E.I. Conference No.:** 58104  
**Source:** Proceedings of the ACM Conference on Computer and Communications Security 2000. p 220-227  
**Publication Year:** 2000  
**Language:** English  
**Document Type:** CA; (Conference Article) **Treatment:** A; (Applications); T ; (Theoretical)  
**Journal Announcement:** 0106W3  
**Abstract:** As the use of information technology is increasing rapidly in organizations around the world, an important task is to design global networks with high security, efficiency and functionality. While centralized systems have the advantages of simplified management, they face the problems of bottleneck and single point of failure. In this paper, we propose a new authorization scheme that operates over existing centralized authentication mechanisms. The goal is to enhance the performance and scalability in a centrally administered security architecture. A new technique of using one-shot authorization tokens is introduced. It facilitates a mechanism for updating or revocation of the access rights of users in online or off-line authorization models. A smart card is used as an authorization device in addition to its traditional function of user authentication. This scheme provides the mobility for users and the flexibility in coping with different access control policies in a cross domain multi-application environment. 19  
**Refs.**

**Descriptors:** Security of data; Smart cards; Electronic document identification systems; User interfaces; Online systems; Client server computer systems; Information technology; Management information systems

**Identifiers:** Cross domain authorization; One shot authorization token; Global networks; Online authorization models; Offline authorization models; Access control policy; Authorization server; Access enforcement function.

**Classification Codes:**  
723.2 (Data Processing); 722.4 (Digital Computers & Systems); 723.5 (Computer Applications); 722.2 (Computer Peripheral Equipment)  
723 (Computer Software, Data Handling & Applications); 722 (Computer Hardware)  
72 (COMPUTERS & DATA PROCESSING)

11/5/2 (Item 2 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
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02355052 E.I. Monthly No: EIM8712-082199  
**Title:** SECURITY STRATEGY FOR NETWORKED COMPUTERS.  
**Author:** Besse, Ludwig J.  
**Corporate Source:** ETH, Zurich, Switz  
**Conference Title:** Proceedings - 1987 Carnahan Conference on Security Technology: Electronic Crime Countermeasures.  
**Conference Location:** Lexington, KY, USA **Conference Date:** 19870715  
**Sponsor:** Univ of Kentucky, Coll of Engineering, Lexington, KY, USA; IEEE, Lexington Section, Lexington, KY, USA; IEEE Aerospace & Electronic Systems Soc, New York, NY, USA  
**E.I. Conference No.:** 10345  
**Source:** University of Kentucky, Office of Engineering Services, (Bulletin) UKY BU 143. Jul 1987 Publ by Univ of Kentucky, Lexington, KY,

USA. Available from IEEE Service Cent (Cat n 87CH2494-3), Piscataway, NJ,  
USA p 141-147

Publication Year: 1987

CODEN: UKOBDS ISSN: 0270-6504 ISBN: 0-89779-068-5

Language: English

Document Type: PA; (Conference Paper)

Journal Announcement: 8712

Abstract: The author argues that a university computing environment must rely on some degree of secure operation and that a minimum of the following security entities are required to provide secure access to authentication requests : node -to- node line verification (caller's node number); the connected device (hardware ID) and user 's identification ( user -name/password) must be compared against access control information, and a security layer that establishes procedures between host and network such as routing of data (access-path), node information, and user's authentication. 4 refs.

Descriptors: \*COMPUTER SYSTEMS, DIGITAL--\*Security Systems; COMPUTER NETWORKS--Security Systems

Identifiers: COMPUTER SECURITY; ACCESS CONTROL ; DATA ROUTING; USER AUTHENTICATION

Classification Codes:

722 (Computer Hardware); 723 (Computer Software)

72 (COMPUTERS & DATA PROCESSING)

11/5/3 (Item 1 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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0963758 ORDER NO: AAD87-20945

DETERMINANTS OF CLIENT CONTROL MECHANISMS IN SERVICE ORGANIZATIONS

Author: SKIVINGTON, KRISTEN M. DAHLEN

Degree: PH.D

Year: 1987

Corporate Source/Institution: TEXAS A&M UNIVERSITY (0803)

Source: VOLUME 48/06-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 1498. 230 PAGES

Descriptors: BUSINESS ADMINISTRATION, MANAGEMENT

Descriptor Codes: 0454

Service organizations require information in order to provide services (Bowen, 1986; Mills & Margulies, 1980). Clients are the source of that information, resulting in interaction between clients and service organizations to exchange information and complete the service process. Interaction with clients results in uncertainty for service organizations; uncertainty about whether clients will be disruptive, whether clients will have necessary information, and whether clients will be able to perform a required role in the service process. Service organizations respond by using control mechanisms to channel client behavior and direct the information exchange. Client control mechanisms vary across service organizations. The purpose of this study was to identify the determinants of client control mechanisms.

It was hypothesized that characteristics of interaction (response function and client status) and information (information clarity and technical expertise) would be related to seven client control mechanisms (regulative rules, operative rules, centralization, organizational supervision, implicit and explicit physical setting, and social controls). The research was conducted in 57 units of service organizations. One manager from each unit was personally interviewed with a structured questionnaire. Three employees of each unit completed a self-administered questionnaire. Each questionnaire addressed characteristics of service operations and clients. Findings indicated that the degree of ambiguity of information exchanged was related to controls limiting access , to controls requiring client identification , to control through the implicit physical setting, and to less use of operative rules. The degree of standardization of information being exchanged was related to operative rules; the average length of employee education was related to client orientation and education programs. Characteristics of interaction were not

associated with client controls.

The results indicate that service organizations are information processing entities and mechanisms used to control client actions are related to characteristics of information being exchanged. When information cannot be clearly specified, controls are used which are vague and ambiguous, such as the interior design of an operation. When information is specific and known, rules and **procedures** can be used to **direct client** behavior and interaction. The degree of ambiguity in the organization-client relationship is related to the degree of ambiguity in client controls.

11/5/4 (Item 1 from file: 202)  
DIALOG(R)File 202:Info. Sci. & Tech. Abs.  
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2901845

**Task scheduling in a multicomputer system.**  
Author(s): Cameron, D F; Merrow, T.E.; Pierce, P.R.  
Patent Number(s): US 5325526  
Publication Date: Jun 28, 1994  
Language: English  
Document Type: Patent  
Record Type: Abstract  
Journal Announcement: 2900

An improved method of executing a plurality of computer application programs on a multicomputer is disclosed. The present invention pertains to a task scheduling system in a multicomputer having nodes arranged in a network. The present invention comprises an allocator and scheduler component, which comprises processing logic and data for implementing the task scheduler of the present invention. The allocator and scheduler operates in conjunction with a partition to assign tasks to a plurality of nodes. A partition is an object comprising a plurality of items of information and optionally related processing functions for maintaining a logical environment for the execution of tasks of one or more application programs. Application programs are allowed to execute on one or more nodes of a partition. Moreover, a node may be assigned to more than one partition and more than one application program may be loaded on a single **node**. The allocator and scheduler **provides allocator procedures** used by application programs for **identifying** a **node** or group of nodes for inclusion in a partition. The allocator and scheduler also provides several data areas for the storage of information relevant to the allocation and scheduling of tasks. These data areas of the allocator and scheduler include a partition data area, an application data area, and a layer data area. This invention provides a means and method for hierarchically linking application programs, layers, and partitions together to provide an optimal execution environment for the execution of a plurality of tasks in a multicomputer.

Descriptors: **Access control** ; Computer networks; Multiprocessors;  
Parallel processing  
Classification Codes and Description: 5.04 (Advanced Computing, Parallel Processing)  
Main Heading: Information Processing and Control

11/5/5 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
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7673178 INSPEC Abstract Number: C2003-08-5640-040  
**Title: Concurrency control and recovery on lightweight directory access protocol**  
Author(s): Pohit, P.; Archana, S.  
Author Affiliation: San Jose State Univ., CA, USA  
Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)

vol.5099 p.409-20

Publisher: SPIE-Int. Soc. Opt. Eng,  
Publication Date: 2003 Country of Publication: USA  
CODEN: PSISDG ISSN: 0277-786X  
SICI: 0277-786X(2003)5099L.409:CCRL;1-S  
Material Identity Number: C574-2003-168  
U.S. Copyright Clearance Center Code: 0277-786X/03/\$15.00  
Conference Title: Multisensor, Multisource Information Fusion:  
Architectures, Algorithms, and Applications 2003  
Conference Sponsor: SPIE  
Conference Date: 23-25 April 2003 Conference Location: Orlando, FL,  
USA

Language: English Document Type: Conference Paper (PA); Journal Paper

Statement: Practical (P)

Abstract: In this paper we provide a concurrency control and recovery (CCR) mechanism over cached LDAP objects. An LDAP server can be directly queried using system calls to retrieve data. Existing LDAP implementations do not provide CCR mechanisms. In such cases, it is up to the application to verify that accesses remain serialized. Our mechanism provides an independent layer over an existing LDAP server (Sun One Directory Server), which handles all user requests, serializes them based on 2 Phase Locking and Timestamp Ordering mechanisms and provides XML-based logging for recovery management. Furthermore, while current LDAP servers only provide object-level locking, our scheme serializes transactions on individual attributes of LDAP objects (attribute-level locking). We have developed a Directory Enabled Network (DEN) Simulator that operates on a subset of directory objects on an existing LDAP server to test the proposed mechanism. We perform experiments to show that our mechanism can gracefully address concurrency and recovery related issues over an LDAP server. (14 Refs)

Subfile: C

Descriptors: cache storage; concurrency control; distributed object management; hypermedia markup languages; object-oriented databases; protocols; query processing; telecommunication network management; transaction processing

Identifiers: lightweight directory access protocol; cached LDAP objects; LDAP server; querying; system calls; independent layer; Sun One Directory Server; 2 Phase Locking and Timestamp Ordering mechanisms; XML-based logging; object-level locking; transaction serializing; Directory Enabled Network Simulator; concurrency control and recovery; CCR mechanism

Class Codes: C5640 (Protocols); C6160J (Object-oriented databases); C6150N (Distributed systems software); C6160B (Distributed databases)

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11/5/6 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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05313187 JICST ACCESSION NUMBER: 03A0016289 FILE SEGMENT: JICST-E Study on Applying Active Monitor and Control to Access .

UCHIYAMA KAZUO (1); IWAI YASUKO (1); ONISHI YASUFUMI (1)

(1) Japan Def. Agency, Tech. Res. and Dev. Inst. 2nd. Res., JPN

Boeicho Gijutsu Kenkyu Honbu Giho(Technical Report. Technical Research and Development Institute, Japan Defense Agency), 2002, NO.6780, PAGE.15P, FIG.5, REF.5

JOURNAL NUMBER: G0429AAR ISSN NO: 0916-2852

UNIVERSAL DECIMAL CLASSIFICATION: 681.3:002 681.3.02-759

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: This paper describes the system which monitor and control access positively. Usual countermeasures for illegal access to server, DoS(Denial of Service) etc. are fire wall and IDS(Intrusion Detection System). However, these methods are "passive", because they are only to do halt access by changing set up of F/W or warning display. This

"passive" countermeasure is not solving the problem for illegal access fundamentally. In this study, we have developed the server system that identified "actively" to the access at first. The function for developed system is as follows. 1) The server has a function that it has right to admit access and also have countermeasure if user violate the rule. 2) To send monitor and control function which is possible to communicate between server and access user. 3) Check up whether user have a right of access to server or not. 4) Check up the status of access user and notify it to server. 5) By receiving notification, control access user. 6) Access monitor and control function is effective while user access to server. But if it is not function, the access will be shut off. 7) Sending key, which embed identification display to access node, trace route, can realize. The experiment for evaluates this "active monitor and control" server system has conduct on LAN. As the result, we have confirmed the effectiveness of our new approach and this system. (author abst.)

DESCRIPTORS: active control; authentication; access control ; monitoring ; agent; cryptogram; LAN; computer network; measurement data

BROADER DESCRIPTORS: control; communication network; information network; network; data

CLASSIFICATION CODE(S): JA01030X; JD01020V

11/5/7 (Item 1 from file: 99)  
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
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2084890 H.W. WILSON RECORD NUMBER: BAST00018583

Webrelay: a multithreaded HTTP relay server

Zhang, Peter;

Dr. Dobb's Journal v. 25 no2 (Feb. 2000) p. 86-96

DOCUMENT TYPE: Feature Article ISSN: 1044-789X LANGUAGE: English

RECORD STATUS: Corrected or revised record

ABSTRACT: The writer discusses webrelay, a freely available multi-threaded HTTP relay server. Webrelay was designed to address the problem faced by legitimate users of a university library. When these users connected directly to the Internet from an off-campus IP address, the vendor web server typically rejected the access request. Webrelay authenticates clients to ensure they are legitimate users before connecting them to the vendor web server. The vendor's server subsequently identifies requests as coming from the relay server itself, which always has a valid IP address or campus-wide user identification .

DESCRIPTORS: Web servers; Computer user identification ; Internet--Access control ;

11/5/8 (Item 2 from file: 99)  
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
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1806761 H.W. WILSON RECORD NUMBER: BAST99011008

Two integrated schemes of user authentication and access control in a distributed computer network

Jan, J.-K; Tseng, Y.-M

IEE Proceedings. Computers and Digital Techniques v. 145 no6 (Nov. '98) p. 419-24

DOCUMENT TYPE: Feature Article ISSN: 1350-2387 LANGUAGE: English

RECORD STATUS: New record

ABSTRACT: With the growth in the scale of network technologies, security has become a major concern and a limiting factor. Computer networks provide convenient procedures for users operating at remote places. However, an intruder can easily access and intercept information transmitted in an open channel. Two integrated schemes for user authentication and access control are proposed, which are mechanisms used to provide for the protection of privacy and security in a distributed

environment. One scheme is a dynamic approach which provides an efficient updating process for the modification of access rights. The second scheme allows servers to simplify verification processes for multiple access requests of a user at the same time. Both schemes are noninteractive approaches in which security is based on the computational difficulty of solving the discrete logarithm problem. Compared with other schemes proposed previously, the schemes are more secure and efficient and suitable for applications in a distributed environment. Intruders cannot derive secret information from public information. Intruders are not able to acquire the passwords of users from previously intercepted messages. By applying a time stamp, the schemes can withstand the replaying attack. Reprinted by permission of the publisher.

DESCRIPTORS: Time stamping; Computer user identification ; Encryption algorithms;

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File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
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File 674:Computer News Fulltext 1989-2003/Dec W1  
(c) 2003 IDG Communications  
File 696:DIALOG Telecom. Newsletters 1995-2003/Dec 22  
(c) 2003 The Dialog Corp.  
File 369:New Scientist 1994-2003/Dec W2  
(c) 2003 Reed Business Information Ltd.  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc  
File 610:Business Wire 1999-2003/Dec 23  
(c) 2003 Business Wire.  
File 613:PR Newswire 1999-2003/Dec 23  
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Set	Items	Description
S1	5302529	FUNCTION OR TASK? ? OR JOB? ? OR PROCEDURE? ?
S2	426287	S1(5N) (SEND??? OR SENT OR FORWARD? OR TRANSFER???? OR CONVEY? OR TRANSMIT? OR TRANSMISSION OR DELIVER? OR COMMUNICAT? OR PROVID??? OR REDIRECT? OR DIRECT??? OR DELEGAT? OR RELAY???)
S3	242487	S1(5N) (DOWNLOAD? OR UPLOAD? OR RECEIV??? OR RECEIPT OR OBTAIN? OR GET???? OR ACQUIR??? OR ACQUISITION)
S4	20397	S2:S3(5N) (SERVER OR CLIENT OR NODE OR TERMINAL OR PC OR COMPUTER OR WORK()STATION OR WORKSTATION OR DEVICE OR UNIT)
S5	6208962	ID OR IDENTIFIER? ? OR IDENTIFICATION OR IDENTIFYING OR IDENTITY OR ATTRIBUTE? ? OR PROFILE? ? OR AUTHORIZATION OR AUTHORISATION OR AUTHORITY OR PERMISSIONS OR RIGHTS OR PRIVILEGE? ? OR SECURITY()CLEARANCE OR CREDENTIAL? ?
S6	230164	(ACCESS OR CLEARANCE OR SECURITY OR CONFIDEN?)(3N) (LEVEL? - OR GRADE OR GRADES OR STANDING OR RATING? ? OR CLASS OR CLASSIFICATION OR CATEGOR?)
S7	76823	S5:S6(3N) (CLIENT? ? OR NODE? ? OR TERMINAL? ? OR PC? ? OR COMPUTER? ? OR WORK()STATION? ? OR WORKSTATION? ?)
S8	346641	S5:S6(3N) (PERSON? ? OR INDIVIDUAL? ? OR EMPLOYEE? OR MEMBER? ? OR ENTITY OR ENTITIES OR STUDENT? ? OR SOMEONE OR ANYONE OR USER? ? OR SUBSCRIBER? ? OR CUSTOMER? ? OR REQUESTOR? ?)
S9	547138	ACCESS???(5N) (LIMIT??? OR RESTRICT? OR FILTER??? OR CONFIN? OR CONTROL? OR REGULAT? OR MANAG?)
S10	18	S4(S)S7:S8(S)S9
S11	73	S4(100N)S7:S8(100N)S9
S12	79	S10:S11
S13	53	RD (unique items)
S14	46	S13 NOT PY=2001:2003

14/3,K/1 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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02249555 SUPPLIER NUMBER: 53356024 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Databases on the go. (Computer Associates International OpenIngres/Desktop  
1.2, IBM DB2 Universal Database 5.0 Personal Edition for Windows 95,  
Microsoft SQL Server 7.0, Personal Oracle Lite 3.0, Sybase Adaptive  
Server Anywhere 6.0) (Software Review) (Evaluation)  
Rennhackkamp, Martin  
e-Business Advisor, 26(1)  
Dec, 1998  
DOCUMENT TYPE: Evaluation LANGUAGE: English RECORD TYPE: Fulltext  
; Abstract  
WORD COUNT: 6904 LINE COUNT: 00705

... specified per user. The DB2 for Windows NT security model uses the Windows NT Security Access Management (SAM) database to obtain user and group information, user name authorization, and user name-password validation. On Windows 95, all users are assumed to have administrator authority, therefore...

...configure backups, log dumps, and more, and configure those operations for multiple databases as multi- server jobs. Those plans will be downloaded and applied to the mobile databases when they connect.

Oracle Lite can perform online backups...

14/3,K/2 (Item 2 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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02167090 SUPPLIER NUMBER: 20168231 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Novell's GroupWise 5.2. (workgroup software) (Software Review) (Brief Article) (Evaluation)  
Schultz, Keith  
Computer Shopper, v18, n2, p355(1)  
Feb, 1998  
DOCUMENT TYPE: Brief Article Evaluation ISSN: 0886-0556  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1089 LINE COUNT: 00089

... Internet Mail Extension (MIME) gateway. This lets your GroupWise system communicate with any other SMTP server on the Internet. You can send and receive attachments, tasks, schedules, appointments, e-mail, and calendar items over any TCP/IP or Unix network. Using...

...is tightly integrated with Novell Directory Services (NDS), and takes advantage of the centralized user management and access control. Management chores are handled by a 32-bit snap-in to the Windows-based NWADMIN utility...

...point of management, you can define all aspects of GroupWise from post-office name to user access rights. You can also monitor GroupWise via SNMP agents in ManageWise or in HP's OpenView...

14/3,K/3 (Item 3 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01898626 SUPPLIER NUMBER: 17867413 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Delphi's 32-bit version: does OLE automation. (using Borland's Delphi for Windows 95 1.5 to create applications that access SQL Server 6.0 functions) (Delphi Expert) (Technology Tutorial)  
Rajan, Sundar  
Data Based Advisor, v14, n2, p108(7)  
Feb, 1996

ISSN: 0740-5200 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 3009 LINE COUNT: 00264

... OLE Automation is useful, but what's more exciting is using OLE Automation for database access and administration. SQL Data Management Objects in Microsoft SQL Server 6.0 let developers access many of SQL Server's...

...Database Administration functions and tasks be automated by Delphi programs, instead of TRANSACT SQL stored procedures and batch files. \* It provides direct access to SQL Server properties, such as login time-out or process ID, that are otherwise possible only through...

...and Collections. The database object contains a collection of table, view, and stored procedure objects. Individual objects have properties (attributes : SQLServer. Name = "MADRAS") and methods (actions: SQLServer. Connect or SQLServer.Shutdown).

A major bonus of...

14/3,K/4 (Item 4 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01694259 SUPPLIER NUMBER: 16185174 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Hewlett-Packard news. (enhances C++ SoftBench 3.x, maps Distributed Computing Environment ideas into C++ object layer)  
Computergram International, CGI07150023  
July 15, 1994  
ISSN: 0268-716X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 1053 LINE COUNT: 00092

... program and service client requests. Hewlett-Packard calls them Manager Objects, each has its own identifier. Client access Manager Objects via proxy Client Objects, which are based on the Interface Definition Language Application Programming...

...classes and objects in OODCE/9000, including those for implementing Manager Class functionality and writing Server Main function and client programs without dealing directly with the Distributed Computing Environment Application Programming Interfaces. Hewlett-Packard says the combination of these...

14/3,K/5 (Item 5 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01604262 SUPPLIER NUMBER: 13925281 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Object-oriented Archive. (Johnson Computer Software Team Ltd.'s document management software, version 3.0) (Product Watch) (Product Announcement)  
Wright, Loni  
HP Professional, v7, n6, p16(1)  
June, 1993  
DOCUMENT TYPE: Product Announcement ISSN: 0896-145X LANGUAGE:  
ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 524 LINE COUNT: 00042

... documents to be designated private or public. Private documents are known only to their owners. Access to public documents can be restricted both in terms of privilege (list, copy, edit, take out) and the personnel to whom...

...provides centralized control of workgroup setups. The system administrator can disable or reassign the access rights of any user. Work stored with Archive is automatically transferred to the server where it's subject to...

...to be an expert on the DOS file system to use Archive. All aspects of client - server communication , logon procedures and modem operations are totally automated and completely transparent.

"The nicest thing about Archive is...

14/3,K/6 (Item 6 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01592172 SUPPLIER NUMBER: 13709701 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
NetWare utilities will let users assume net-management chores. (Novell Inc.'s NetWare Workstation for Macintosh computer network software and NetWare for Macintosh 4.0 network operating system) (Brief Article)  
Streeter, April  
MacWEEK, v7, n14, p18(1)  
April 5, 1993  
ISSN: 0892-8118 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 266 LINE COUNT: 00021

... will cost between \$30 and \$50 per site, according to Novell.  
The tools afford Mac users rights and services similar to those available to DOS and Windows NetWare clients. To accomplish this...

...to services beyond those allowed by AFP, including:  
> Rights and attributes. While NetWare administrators assign users' overall rights , the new utility lets authorized users see their rights , see users with similar rights , and assign or remove trustees' rights  
> User and group setup. Mac clients can add or delete users, set up groups, and assign or change passwords.  
> Print queue access . Authorized users can manage NetWare's print queues to schedule, hold or halt print jobs sent from any client to any network printer.  
> Simple messaging. This feature lets users locate others on the NetWare...

14/3,K/7 (Item 7 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01439758 SUPPLIER NUMBER: 10957512 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Minifinders. (buyer's guide to Apple Macintosh hardware and software)  
(buyers guide)  
MacUser, v7, n8, p135(49)  
August, 1991  
DOCUMENT TYPE: buyers guide ISSN: 0884-0997 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT  
WORD COUNT: 80288 LINE COUNT: 06476

... Tower Lane, 18th Floor, Foster City, CA 94404.  
COMMUNICATIONS  
\* CONNECTIVITY  
AlisaTalk 3  
AlisaTalk, a file server for networked Macs, provides numerous features for VAX, DOS, and Mac interoperability. Slow for AFP file sharing and requires...groupware" product for the Mac. As with multiuser databases, Aspects provides several users with simultaneous access to multiple documents ( limited by available RAM). Word-processing, drawing, and painting modes are provided, but there are no...

14/3,K/8 (Item 8 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01435546 SUPPLIER NUMBER: 10806586 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**POWERlan. (Software Review) (one of 14 evaluations of DOS-based local area networks) (evaluation)**

Maxwell, Kimberly

PC Magazine, v10, n12, p208(4)

June 25, 1991

DOCUMENT TYPE: evaluation ISSN: 0888-8507

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1050 LINE COUNT: 00094

... loss of some capabilities.) Security measures include creating user log-on files and setting up **user access** and **privileges**. You can limit the number of allowed log-on attempts to discourage would-be intruders who try to...

...and possible shutdown.

If you want to set up printers or use the Navigate resource-management program, you can **access** these utilities through PLADMIN's main menu. The PLQ utility lets you control print jobs...

...at various print servers, and manipulate print-job and unspooler queues. Instead of submitting print **jobs** to specific printers, users **send** them to a **server** with a print profile that contains a set of printing attributes, such as a laser...

**14/3,K/9 (Item 9 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01431670 SUPPLIER NUMBER: 10753797 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Product Standards Data System: for online document management. (PSDS)**

Piyarali, Ali; Galbraith, Jeff; Carter, Kathy Hitsman; Mayfield, David  
Industrial Engineering, v23, n4, p45(3)

April, 1991

ISSN: 0019-8234 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1628 LINE COUNT: 00135

... movement of approved standards between the two databases.

Configuration management is a function that provides **control** over the **access** of documents in SAD and AD. Six different review steps are supported which involve development and release of standards.

Authoring is a function that **provides** a intelligent **workstation** based environment to create, edit and tag standards. The authors have access to the SGML...

...company's network. The tiered architecture allows accuracy of information by linking each user's **workstation** to the Sole **Authority** Database. The Decentralized Distribution Control function operates on the pull system principle. Upon revision of...

**14/3,K/10 (Item 10 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01384937 SUPPLIER NUMBER: 09677423 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Tape-backup software. (backup systems product table) (buyers guide)**

LaPolia, Stephanie

PC Week, v7, n49, p130(2)

Dec 10, 1990

DOCUMENT TYPE: buyers guide ISSN: 0740-1604 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 3612 LINE COUNT: 00350

... and above.

Methods of backup: full, directory, date, modified files, file-by-file, wild card, **attribute**.

Verification: **user controlled** and automatic, backup can be

interrupted and resumed later.

Methods of restore: full, directory...

...3.0 and above.

Methods of backup: full, directory, date, modified files, file-by-file, **access** date.

Verification: user **controlled**.

Methods of restore: full, **directory**, date, file-by-file.

Archiving **function** : yes.

Other features: automatic formatting, **server**-based, backup Mac files, SCSI and QIC.02 boards available (?).

Price: \$1,195 (286); \$1...

**14/3,K/11 (Item 11 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01243839 SUPPLIER NUMBER: 06689509 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**LANBatch. (Software Review) (one of 17 evaluations of LAN-oriented application packages) (evaluation)**

Derfler, Frank J., Jr.; Halbert, Edward

PC Magazine, v7, n11, p215(2)

June 14, 1988

DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 860 LINE COUNT: 00064

... Output file.)

**NETWORKING**

For LANBatch to run on the network, the network administrator must create **user** ID called Batch. This ID is treated just like any other **user** ID, and it is subject to **access** rights and **restrictions**. The software will run only on a machine that is logged on as Batch. You must give the Batch **user** ID enough **rights** to access any of the directories and the peripherals. By doing so, you also give...

...If security is not a big concern, the best thing to do is assign supervisor **rights** to the Batch **user**. Under NetWare, you could use the SysCon facility to create a special group defining the people who can use Batch. When the batch **server** processes a **job**, it uses the **directory** of the person who submitted the file as the current directory. This prevents someone from...

**14/3,K/12 (Item 12 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2003 The Gale Group. All rts. reserv.

01243740 SUPPLIER NUMBER: 06344839 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**A loss of innocence. (UNIX security features)**

Wood, Patrick

UNIX Review, v6, n2, p36(5)

Feb, 1988

ISSN: 0742-3136 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3910 LINE COUNT: 00298

... necessary functions performed by system SUID programs and then write alternate "servers" to perform these **tasks**. System programs were rewritten to communicate with the appropriate **server** whenever a **user** required a **privileged** action. Needless to say, every time yet another system command was added to the system...

...This problem has been fixed in some secure versions of UNIX through the use of **access control** lists (ACLs), which simply store additional information along with the file to specify access on...

14/3,K/13 (Item 13 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01241563 SUPPLIER NUMBER: 06573731 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Don't wait until you get 'burned.' (contains related articles on computer  
viruses and programming for anti-theft purposes)  
Finlay, Douglas  
Administrative Management (the Magazine of Office Administration and  
Automation), v49, n2, p16(7)  
March, 1988  
ISSN: 0884-5905 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 3510 LINE COUNT: 00282

... If it is lost, no amount of money is going to bring it back."  
\* Computer access . Management must analyze and assess employees' responsibilities, and determine the information that they should get in...

...an employee to log on to the system using a correct password and use the computer for routine tasks . You would not provide that employee with a password to access DOS commands, however, because one of those commands

...

...To enable a company to set up its own security hierarchy, where certain groups have access to certain programs at management's behest, Tower Systems, Costa Mesa, CA, provides Surveillance software. This system protects the IBM 3270 environment. Says Steve Lefler, product manager , "A way to prevent unauthorized access to information is to have a separation of responsibilities. In this way, no one person...

...person in the cluster has access to information in that particular file only. Yet, certain individuals can have access to higher levels of information within the file, being provided with a password from the security administrator. Common...

14/3,K/14 (Item 1 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou. (R)  
(c) 2003 The Gale Group. All rts. reserv.

01411749 Supplier Number: 46586575 (USE FORMAT 7 FOR FULLTEXT)  
**MICROSOFT ANNOUNCES THE RELEASE OF WINDOWS NT WORKSTATION 4.0**  
PR Newswire, p0731SFW007  
July 31, 1996  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 863

... NT security model, ensuring safe and secure sharing of information.  
\* Easy to manage and control. User Profiles and System Policies allow system administrators to manage user desktops easily, including the ability to control access to the network and desktop resources as well as support for users roaming between multiple...

...of the Designed for Windows 95 logo and signifies to customers that the products they acquire function on Windows NT Workstation 4.0 and Windows 95, and offer the benefits of 32-bit systems when they...

14/3,K/15 (Item 2 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou. (R)  
(c) 2003 The Gale Group. All rts. reserv.

01385178 Supplier Number: 46404092 (USE FORMAT 7 FOR FULLTEXT)  
**METZ Phones Legal Edition Simplifies Networked Address and Phone Book Management for Legal Professionals; Metz Software Announces New 32 Bit Versions.**  
Business Wire, p05220333

May 22, 1996

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 679

METZ Phones Legal Edition for Windows 95/ NT

METZ Phones Legal Edition simplifies the task of maintaining a law firm directory by keeping shared client information current. It provides fast and easy access to centralized databases of common telephone and...

...Administrator. METZ Phones Administrator, a powerful addition to METZ Phones Legal Edition, lets network administrators manage and control access to address and telephone databases by granting access rights to each user. Access rights are defined by file, group and/or user level.

Grouping users together lets the administrator...

14/3,K/16 (Item 3 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

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01065372 Supplier Number: 40301810 (USE FORMAT 7 FOR FULLTEXT)

**ARL INTRODUCES LAB AUTOMATION/SAMPLE MANAGEMENT SOFTWARE FEATURING  
STATISTICAL PROCESS CONTROL**

News Release, pl

Feb 22, 1988

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 389

...the-blank screen forms. On-line help information is also available.

The system stores lab procedures and other operations information directly on the computer , eliminating the need to maintain hardcopy records.

Add 2-2-2-2

CAST/VAX can...

...calculations, allowing maintenance of tight specification standards. A built-in security feature discriminates between different user levels, allowing lower- level users access to limited information, while allowing higher- level users access to a full range of capabilities.

Further information is available from Applied Research Laboratories, 24911...

14/3,K/17 (Item 4 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

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01029705 Supplier Number: 39917037 (USE FORMAT 7 FOR FULLTEXT)

**TONE SOFTWARE CORPORATION announces the availability of a new product, the TSO ACCESS MANAGER (TAM).**

PR Newswire, pN/A

Dec 29, 1986

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 465

... December 29, 1986

TONE SOFTWARE CORPORATION announces the availability of a new product, the TSO **ACCESS MANAGER** (TAM). TAM becomes the third member of the recently announced Tone Operations Productivity Software family...

...specifically to enhance the efficiency and effectiveness of the data processing operations organization.

The TSO **ACCESS MANAGER** is the first product available which permits an installation to actually schedule TSO user sessions. TAM enables TSO access to be governed based on installation defined criteria.

Access to TSO can be restricted based on the day of the week, the time of the day, the TSO Logon Procedure name, the **terminal id** of the VTAM **terminal** in use, the TSO userid, or any combination of these criteria.

Once a user has obtained TSO **access**, further **controls** permit the installation to limit the length of a user session, and to cancel or ...

...additional security in the event that the user logs on and walks away from the **terminal**. A user command is also **provided** to manually perform the locking **function**.

The TSO **ACCESS MANAGER** permits users to be placed into groups for purposes of defining TSO **access**. Once grouped, the Operations Manager can guarantee a specific number of TSO sessions within the group at any time throughout...

14/3,K/18 (Item 5 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2003 The Gale Group. All rts. reserv.

01018500 Supplier Number: 39669638 (USE FORMAT 7 FOR FULLTEXT)  
**NEW SECURITY AND ACCESS SYSTEM FOR UP TO 256 REMOTE CONTROLLERS**  
PR Newswire, pN/A  
Jan 3, 1986  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 270

... 887-3729

FOR IMMEDIATE RELEASE:

**NEW SECURITY AND ACCESS SYSTEM  
FOR UP TO 256 REMOTE CONTROLLERS**

New security and **access control** system, DCS-1000 from Cardware, Inc., has SDLC/SNA Local Area Network subsystem allowing up...

...within restricted areas of company. Upon verification of ID number, personal identification number (PIN), and **security level**, **user** is allowed to **access**. Simultaneously, main controller records time, ID number and door number. **Access control** permits entrance to all areas card-holder is allowed access.

Job costing and attendance options can be used in combination with

security and access controls . The user can assign a job costing option to the main controller for purpose of...

...with an RS-232 serial interface port. Menu-driven software package is available to perform communication function between main controller and host computer

The DCS-1000 is now available for the OEM market.

Cardware, Inc. 7252 Remmet Ave...

14/3,K/19 (Item 1 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

03899982 Supplier Number: 50071675 (USE FORMAT 7 FOR FULLTEXT)

-DATASTRIPI: All-in-one I.D. card system

M2 Presswire, pN/A

June 12, 1998

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 663

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...base which ranges from secure ID cards for authorising financial and banking transactions, to ID, access control and membership cards for commercial and government applications. It also includes a switchable power supply...

...token. Once the layout is ready, card production can begin straight away. The built-in computer handles all the data acquisition and code generation tasks needed to produce individual, personalised cards, presenting two simple on-screen forms to obtain the...

...each application. A range of complementary card readers and peripherals are available for Datastrip-based ID systems, which allow users to perform automated or manual checks, or both. The company offers a unique product for...

14/3,K/20 (Item 2 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

03213654 Supplier Number: 46591782 (USE FORMAT 7 FOR FULLTEXT)

MICROSOFT RELEASES WINDOWS NT WORKSTATION 4.0

PCNetter, v11, n8, pN/A

August 1, 1996

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 223

User Profiles and System Policies allow system administrators to manage user desktops, including the ability to control access to the network and desktop resources, as well as support for users roaming between multiple...

...of the Designed for Windows 95 logo and signifies to customers that the products they acquire function on Windows NT Workstation 4.0 and Windows 95 and offer the benefits of 32-bit systems when they...

14/3,K/21 (Item 3 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

01690539 Supplier Number: 42710786 (USE FORMAT 7 FOR FULLTEXT)  
**INFORMATION RISK ASSESSMENT, RISK ANALYSIS AND RISK MANAGEMENT: THE IRR  
RESEARCH MODEL**

Computer Audit Update, pN/A

Feb, 1992

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 3654

... standards and procedures in the organization, such as a corporate information security policy and physical access control procedures.

Determining risks

Many practitioners of methods for the determination of information technology related risks...

...cover risks related to all aspects of computer and information security, including hardware, software, data communication networks, personnel, documentation, procedures and computer environments. It should also cater for the interdependencies amongst those aspects.

Risk assessment, risk analysis...

...dimensional as well as a multi-disciplinary perspective. The multi-disciplinary concept stems from functional computer security levels (social, organizational, administrative, physical, logical, program logical). The interrelationships between tasks within these functional security...

...as identifying threats related to the physical computer room, and determining the cost of logical access controls ) constitute a multi-dimensional character.

A risk analysis program should not be some arcane program...

**14/3,K/22 (Item 4 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

01226706 Supplier Number: 41234606 (USE FORMAT 7 FOR FULLTEXT)

**OS/2 EE 1.2 Arrives, But Will Non-IBM Shops Feel The Thrill?**

Report on IBM, v7, n12, pN/A

March 21, 1990

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 986

... and processing capabilities.

The LAN requester, database manager, and some communications manager functions now support user profile management -- a feature that allows access to EE and LAN functions through a single user ID and password.

Borland Sidekick for presentation manager will also be packaged with EE 1.2...

...APPC) protocol for mapped conversation. Programmers now can choose the most effective location -- host or workstation -- to execute the application function .

Easel 1.1 also provides access to the OS/2 database manager . Frequently used data can be stored and retrieved at the workstation while allowing users to...

**14/3,K/23 (Item 1 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

07042326 Supplier Number: 57563573 (USE FORMAT 7 FOR FULLTEXT)

**Where, Oh Where Is My Report? (managing data distribution.) (Industry Trend  
or Event)**

Kicklighter, Andy

HP Professional, v12, n10, p18  
Oct, 1998

Language: English Record Type: Fulltext Abstract  
Document Type: Magazine/Journal; Trade  
Word Count: 1260

... enables users to automatically receive documents of interest when they are posted to the repository.

**Access Control** : Ensures that users gain **access** to only the information for which they are authorized.

Display/Print: Provides end-user facilities...

...end-user until its final delivery. Administrators can monitor the status of spooled print/output **jobs** and **receive** notification of changes in **device** status, errors, or completion of the output job.

Fault-Tolerance: Enables automated recovery from output...

...and notifying the end-user of its location.

Security: Enforces corporate security policy, such as **authorization** of **users** to data and to output devices and encryption of data prior to transmission via the...

**14/3,K/24 (Item 2 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)  
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06565180 Supplier Number: 55459346 (USE FORMAT 7 FOR FULLTEXT)

**Defining software-radio regulations. (SDR Forum defines road map for soft-radio technology) (Technology Information)**

Spicer, John

Electronic Engineering Times, p70

August 16, 1999

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 982

... appear" at the application function.

From this point onward, the secure computer will be in **control**. It will permit or deny **access** only according to **user profile** information stored on the SIM and possibly following negotiation with other interested parties.

The monitoring...

...preventing unwanted transmissions or other behavior. It will be under the control of the secure **computer** and will **provide** a provable reporting **function** to the regulators.

Along with its advantages, software-defined radio offers great challenges to designers...

**14/3,K/25 (Item 3 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

04783078 Supplier Number: 47039951 (USE FORMAT 7 FOR FULLTEXT)

**Villains in the Vault (PART ONE)**

Willis, David

Network Computing, p52

Jan 15, 1997

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 2340

... 2 LAN Server, Windows NT and MVS.

The RAS Enterprise workflow process begins with a **manager** requesting **access** for an employee. The form is routed through administrators that grant or reject access. If...

...system, issuing an alert and updating internal SQL databases with the true settings.

Authenticating the User Identifying the actual user behind the computer , never an easy task , is getting harder. Station addresses are the worst method of identification, about as helpful as knowing what...

14/3,K/26 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003. The Gale Group. All rts. reserv.

11176812 SUPPLIER NUMBER: 55124592 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
The RTO NOPR: no mandate, but a plan that works. (regional transmission organizations)

Hogan, William W.

Public Utilities Fortnightly (1994), 137, 13, 18(1)

July 1, 1999

LANGUAGE: English RECORD TYPE: Fulltext.

WORD COUNT: 3952 LINE COUNT: 00329

... 888 are: locational pricing; fixed transmission rights and transmission congestion contracts that give defined financial rights to grid users ; and explicit market-based pricing of congestion and ancillary services. In almost every instance we...of proof should face those who would charge balancing penalties in excess of costs, or restrict voluntary access to balancing services.

FORCING INDIVIDUAL ACCOUNT BALANCING. The operator must maintain aggregate energy balance in...

...particular combinations of transactions to remain balanced. Quite the contrary. Individual balancing requirements complicate the task for the operator. They provide a device to reinforce market power. That goes against the public interest.

BARRING LEAST-COST DISPATCH. The...

14/3,K/27 (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

09367196 SUPPLIER NUMBER: 19217728 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Network solutions. (intranet as personnel management tool)

Arkin, Anat

People Management, v3, n2, p43(2)

Jan 23, 1997

ISSN: 1358-6297 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 1424 LINE COUNT: 00115

... other benefit is that we don't have people crunching out sheet after sheet of individual profiles and development plans."

How intranets can help

While organisations such as the Marine Safety Agency...

...clutters up most workplaces, intranets can speed up internal recruitment, according to James Garnett, commercial manager for IBM's HR Access , an integrated personnel and payroll system. People in some organisations, he says, can now apply directly for posts advertised on electronic bulletin boards and receive details about those jobs on their own computer screens.

While Garnett stresses the benefits that intranets can bring to large organisations, Paul Wallace...

14/3,K/28 (Item 3 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

07593690 SUPPLIER NUMBER: 16454748 (USE FORMAT 7 OR 9 FOR FULL TEXT)

...system, issuing an alert and updating internal SQL databases with the true settings.

Authenticating the User Identifying the actual user behind the computer , never an easy task , is getting harder. Station addresses are the worst method of identification, about as helpful as knowing what...

14/3,K/26 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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11176812 SUPPLIER NUMBER: 55124592 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
The RTO NOPR: no mandate, but a plan that works. (regional transmission organizations)  
Hogan, William W.  
Public Utilities Fortnightly (1994), 137, 13, 18(1)  
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LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 3952 LINE COUNT: 00329

... 888 are: locational pricing; fixed transmission rights and transmission congestion contracts that give defined financial rights to grid users ; and explicit market-based pricing of congestion and ancillary services. In almost every instance we...of proof should face those who would charge balancing penalties in excess of costs, or restrict voluntary access to balancing services.

FORCING INDIVIDUAL ACCOUNT BALANCING. The operator must maintain aggregate energy balance in...

...particular combinations of transactions to remain balanced. Quite the contrary. Individual balancing requirements complicate the task for the operator. They provide a device to reinforce market power. That goes against the public interest.

BARRING LEAST-COST DISPATCH. The...

14/3,K/27 (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

09367196 SUPPLIER NUMBER: 19217728 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Network solutions. (intranet as personnel management tool)  
Arkin, Anat  
People Management, v3, n2, p43(2)  
Jan 23, 1997  
ISSN: 1358-6297 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 1424 LINE COUNT: 00115

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14/3,K/28 (Item 3 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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07593690 SUPPLIER NUMBER: 16454748 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Protecting overseas business operations.**

McKenna, John

Security Management, v38, n11, p34(7)

Nov, 1994

ISSN: 0145-9406

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3225 LINE COUNT: 00261

... companies.

Security techniques. A number of procedures can be implemented to increase security. These include employee photo identification cards, card access to controlled areas, visitor controls and log books, computer security procedures, and delivery/tradesmen controls and logs for individuals and vehicles. Records should be maintained for maintenance and...

**14/3,K/29 (Item 4 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

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07231160 SUPPLIER NUMBER: 15319218 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Data flows from factory floor to executive suite. (Slectron Inc's use of Sybase Inc's Sybase SQL Server database, KnowledgeWare's ObjectView 2.1 programming tools and Microsoft Windows NT operating system) (includes related article on ObjectView 3.0 features) (Enterprise Computing/Management)

Baum, David

InfoWorld, v16, n16, p75(1)

April 18, 1994

ISSN: 0199-6649

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1246 LINE COUNT: 00099

... efficient than sending over a bunch of dynamic SQL that has been built on the client," Glover says. The stored procedures approach also provides a secure method of controlling data access by users.

"We don't give any client the privileges to select data dynamically," Glover says. "You can run into trouble with client/server if ...

**14/3,K/30 (Item 5 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

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07162505 SUPPLIER NUMBER: 15016340 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
NOS. (network operating system) (part 2) (comparison of IBM's LAN Server Advanced 3.0 and Banyan Systems Inc.'s Vines 5.5 NOS) (includes related articles on summary of comparison of five NOS, how they were tested and how they compared for installation and setup) (Software Review) (Evaluation)

Capen, Tracey

InfoWorld, v16, n2, p60(8)

Jan 10, 1994

DOCUMENT TYPE: Evaluation ISSN: 0199-6649

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 10718 LINE COUNT: 00829

... can also set permissions for individual users, but you must back up to the Access Profile window and pick User List.

LAN Server's remote management is more limited than that of competing products. Anything...

...does not include a built-in backup utility. You can back up LAN Server's Access Control Profile information but not the user data. But it has a utility to connect two...

...the Net Accounts command.

LAN Server offers five levels of network managers, based on administrative tasks : Administrator, Accounts Operator, Communications

Operator, Print Operator, and **Server** Operator. An Administrator has control over the entire network, and Accounts Operators are limited to...

14/3,K/31 (Item 6 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

03503146 SUPPLIER NUMBER: 06626635 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Don't wait until you get 'burned.' (computer fraud and theft; includes related article)  
Finlay, Douglas  
Administrative Management (the Magazine of Office Administration and Automation), v49, n2, p16(7)  
March, 1988  
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 3509 LINE COUNT: 00281

... an employee to log on to the system using a correct password and use the **computer** for routine **tasks**. You would not **provide** that employee with a password to access DOS commands, however, because one of those commands...

...To enable a company to set up its own security hierarchy, where certain groups have **access** to certain programs at **management**'s behest, Tower Systems, Costa Mesa, CA, provides Surveillance software. This system protects the IBM 3270 environment. Says Steve Lefler, product **manager**, "A way to prevent unauthorized **access** to information is to have a separation of responsibilities. In this way, no one person...

...person in the cluster has access to information in that particular file only. Yet, certain **individuals** can have **access** to higher **levels** of information within the file, being provided with a password from the security administrator. Common...

14/3,K/32 (Item 1 from file: 624)  
DIALOG(R)File 624:McGraw-Hill Publications  
(c) 2003 McGraw-Hill Co. Inc. All rts. reserv.

0672144  
**BIG BUSINESS ON THE NET? NOT YET : Everyone's interested, but little real action is likely until security tightens**  
Business Week June 26, 1995; Pg 100; Number 3430  
Journal Code: BW ISSN: 0007-7135  
Section Heading: INFORMATION TECHNOLOGY ANNUAL REPORT: The Internet  
Word Count: 1,010 \*Full text available in Formats 5, 7 and 9\*

BYLINE:  
By Paul M. Eng in New York

TEXT:  
... do there. Companies have to ask themselves: 'Does it really help you to do your job better?' says Daniel Shubert, **director** of the **client / server** technical-services group for Electronic Data Systems Corp.

While companies clearly see a future for...

...president of Bell Atlantic Corp.'s large business-services unit. ``There are security issues, network- **access** issues, **control** issues."

ONE BIG LAN. The good news is that these questions are being addressed. Novell...

... that offers information on all resources on the network and keeps track of a network **user**'s access **rights** to those resources--just like an internal corporate LAN. Others are also working on providing...

14/3,K/33 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00804772 94-54164

**Tips, tricks, and shortcuts**

Poole, Lon

Macworld v11n2 PP: 169-176 Feb 1994

ISSN: 0741-8647 JRNL CODE: MAW

WORD COUNT: 2575

...TEXT: turn off all privileges at the Everyone level (thus disallowing guest access), turn on all **privileges** at the **User** /Group and the Owner levels, set the User/Group to Print Server Clients, and turn...

... the option "Can't be moved, renamed or deleted." For examples of the Users & Groups control panel and the **access** privileges window of the PrintMonitor Documents folder, see "Print-Server Setup."

On each client Mac...

...paste the icon into the Get Info window of the alias. From now on, the **client** will automatically **forward** print **jobs** to the **server**.

Milo Sharp Fairbanks, Alaska

If the print server is not available (for example. if it...)

14/3,K/34 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00788477 94-37869

**ASP server to offer multiple printer links**

Burns, Christine

Network World v10n46 PP: 25, 30 Nov 15, 1993

ISSN: 0887-7661 JRNL CODE: NWW

WORD COUNT: 464

...TEXT: number of security and systems administration features. The print server uses Novell's password encryption- **level security** for **user access**. It protects an administrator's rights, as well, via a supervisor authentication feature that **limits access** to the JetLAN 4P print server controls.

The JetLAN 4P offers a host of systems...

... jobs to the JetLAN 4P goes down, then network clients using a peer-to-peer **function** of the JetLAN 4P can **send** important print **jobs directly** to the print **server**.

A network administrator can invoke an initializing utility that lets the JetLAN 4P search the...

14/3,K/35 (Item 1 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2003 CMP Media, LLC. All rts. reserv.

01198332 CMP ACCESSION NUMBER: EET19990816S0065

**Defining software-radio regulations**

JOHN SPICER, Senior Consultant, Roke Manor Research Ltd. Romsey, U.K.

ELECTRONIC ENGINEERING TIMES, 1999, n 1074, PG70

PUBLICATION DATE: 990816

JOURNAL CODE: EET LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: COMMUNICATIONS: FOCUS - SOFTWARE RADIO/UNIVERSAL RF

WORD COUNT: 988

... appear" at the application function.

From this point onward, the secure computer will be in control . It will permit or deny access only according to user profile information stored on the SIM and possibly following negotiation with other interested parties.

The monitoring...

...preventing unwanted transmissions or other behavior. It will be under the control of the secure computer and will provide a provable reporting function to the regulators.

Along with its advantages, software-defined radio offers great challenges to designers...

14/3,K/36 (Item 2 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2003 CMP Media, LLC. All rts. reserv.

01169980 CMP ACCESSION NUMBER: NWC19980815S0013  
**Basking in Glory - Is SNMPv3 worthy of all the fanfare?**  
Dan Backman  
NETWORK COMPUTING, 1998, n 915, PG40  
PUBLICATION DATE: 980815  
JOURNAL CODE: NWC LANGUAGE: English  
RECORD TYPE: Fulltext  
SECTION HEADING: Features  
WORD COUNT: 2580

... 2274 and 2275 suggest using the USM (User- based Security Model) and VACM (Views-based Access Control Model) as the reference security system. This allows vendors to support secure SNMP today while...

...from the user's passphrase). This, in turn, enables individual SNMP agents to verify the identity of the user and authenticity of the data, as well as apply access - control rules to individual MIB objects based on the user name generating the SNMP request.

Note that the USM specifies only authentication and encryption functions- access - control rules are handled by a separate module ( defined as VACM in the SNMP reference standard). Under the USM, the identity of the person initiating all SNMP queries can be verified, and sensitive devices can keep audit logs tying...

...transmissions using CBC/DES ( Data Encryption Standard) encryption. This type of packet authentication guarantees the identity of the user who generated the SNMP request and generates a hash (HMAC-MD5) of the packet's ...

...this as managing a network of Unix workstations by copying /etc/passwd files to each node . Luckily, SNMPv3 provides a way to perform this task easily and securely. In addition to specifying a security model, the USM specifies its own...

...the agent is bootstrapped into the SNMP framework, any further updates to user database or access - control rules are simply propagated to all agents and managers.

To make this work, all SNMP...

14/3,K/37 (Item 3 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2003 CMP Media, LLC. All rts. reserv.

01101640 CMP ACCESSION NUMBER: WIN19960901S0127  
The new NT - Are you ready for NT 4.0? - Will NT become the world's most popular operating system?

John Ruley  
WINDOWS MAGAZINE, 1996, n 709, PG170  
PUBLICATION DATE: 960901  
JOURNAL CODE: WIN LANGUAGE: English  
RECORD TYPE: Fulltext  
SECTION HEADING: Cover Story  
WORD COUNT: 3116

... folder. A new System Policy Editor, compatible with both NT and Win95, replaces the old User Profile Editor from NT Server 3.x. Four additions in 4.0 include Administrative Wizards, the...

...represent the most significant change. From an opening screen called Getting Started with Windows NT Server, the wizards provide simple step-by-step procedures for adding user accounts, managing administrative groups, controlling file/ folder access, adding print drivers, adding and removing programs, installing modems, creating network client installation disk sets...

14/3,K/38 (Item 4 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2003 CMP Media, LLC. All rts. reserv.

00636815 CMP ACCESSION NUMBER: CWK19890529S0752  
**Plans Evolve For OSI Net**  
MALCOLM LAWS  
COMMUNICATIONSWEEK INTERNATIONAL, 1989, n 019, 18  
PUBLICATION DATE: 890529  
JOURNAL CODE: CWI LANGUAGE: English  
RECORD TYPE: Fulltext  
SECTION HEADING: USER STRATEGIES  
WORD COUNT: 623

... applications to users, including X.400 message handling, an X.500 directory service, file transfer access and management (FTAM), document transfer, remote job entry and a virtual terminal service.

The first of these will be X.400 (1984 specification) and FTAM.  
Proposals Heard...

...possible keyword attributes, ranging from country and service identifiers to the addressee's nickname and terminal identifier.  
To list all these on a business card, for example, would take up most of...

14/3,K/39 (Item 5 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2003 CMP Media, LLC. All rts. reserv.

00605907 CMP ACCESSION NUMBER: NWC19911001S1306  
**AT&T StarGROUP Version 3.4: Still an Understudy** (Reviewed Revised )  
Bruce Robertson  
NETWORK COMPUTING, 1991, n 210 , 20  
PUBLICATION DATE: 911001  
JOURNAL CODE: NWC LANGUAGE: English  
RECORD TYPE: Fulltext  
SECTION HEADING: Logging On

TEXT:

... Unix client's own /etc/passwd entries have to be set up with the same user ID and group ID numbers as ...functions. In addition, with the TCP/ IP Support Program offering, DOS clients on Ethernet can access these same LAN Manager services over a TCP/IP transport. AT&T

rémarkets FTP Software's TCP/IP for...server can access the full-screen SYSADM menu utility, which is required for many additional server configuration and maintenance tasks. The server console SYSADM utility provides only the more difficult command line NET ADMIN interface. Even with most administration of DOS...

...the documentation's insistence to the contrary, Macintosh and DOS users cannot share a single user ID in both environments when centralized logon service is enabled. The "Use Script" check box must...SAA gateway later this year. Advanced emulation features available on Macs include support of most terminal types and extended attributes, with easy-to-use font sizing, keyboard remapping and window management, and even simple macro...

14/3,K/40 (Item 1 from file: 674)  
DIALOG(R)File 674:Computer News Fulltext  
(c) 2003 IDG Communications. All rts. reserv.

068361

We know who you are

Different approaches to network authentication give you plenty of ways to prove yourself, but The National Registry's SAF/nt tops our test thanks to tight ties with Windows NT.

Byline: John C.C. Duksta

Journal: Network World Page Number: 35

Publication Date: August 24, 1998

Word Count: 2763 Line Count: 252

Text:

... was originally developed by ITT Industries for the National Security Agency for use in computer access control applications. SpeakerKey uses speaker-independent digit recognition in the form of pseudo-random number doublets... user is logged on. The workstation install was as easy as it was on the server side. The installation procedure installs a service that communicates with the Touchstone device and the Mytec GINA. The only real drawback with Touchstone is the high price. At...the authentication logs, including the images captured (see Figure 2), and add images to a user 's profile . Fortunately, in Version 2.0, TrueFace can pull user data out of the NT Security...

...users to the NT domain. You'll still be adding a lot of images to user profiles while you deploy the product; until you get the right mix of images for the...

14/3,K/41 (Item 2 from file: 674)  
DIALOG(R)File 674:Computer News Fulltext  
(c) 2003 IDG Communications. All rts. reserv.

050728

Buyer's Guide: Web server market springs to life

Buyer's guide

Now that there are plenty of products to choose from, your biggest challenge is keeping pace with the changes.

Byline: Edwin E. Mier

Journal: Network World Page Number: 61

Publication Date: March 25, 1996

Word Count: 2340 Line Count: 210

Text:

... which is the server portion of the client/server protocol used on the Web. The server 's sole job is to deliver HTML files - or Web pages - in response to requests from HTML-compatible Web browsers. A...access especially useful. This is a real advantage for Frontier's product, which supports four levels of administrative access . The person given the highest level of access can tap into all portions of the server and files. Subordinate levels can be set up to limit access to specific files, so different users can access and update their own Web pages, but...

... Some products rely on the underlying hardware platform and operating system to enable administrators to access and control the Web server. Depending on the platform, a local console may be the only option. For maximum flexibility, though, users should look for products that support management access via different paths. Common access methods include in-band management over the server's main LAN interface and out-of-band via a serial port...

14/3,K/42 (Item 3 from file: 674)  
DIALOG(R)File 674:Computer News Fulltext  
(c) 2003 IDG Communications. All rts. reserv.

045983  
**New NetWare client going mobile**  
Byline: Kevin Fogarty  
Journal: Network World Page Number: 2  
Publication Date: August 07, 1995  
Word Count: 433 Line Count: 38

Text:

... business as if they were in the office, said Steve Tucker, vice president and general manager of Novell's Advanced Access Applications group. The client keeps track of server-based files that a user accesses frequently...

... jobs to queues. When the client connects to the network, it synchronizes the local and server copies of the files and sends print jobs to a printer selected by the user. Users have to select a printer in their...

... or absence of the network transparent.'' The client will also contain a facility that lets users create profiles , or sets of operating rules, for the different locales from which they work. For example, a user can establish the profile ``hotel'' that limits the amount of file synchronization traffic running across a costly dial-up...

14/3,K/43 (Item 4 from file: 674)  
DIALOG(R)File 674:Computer News Fulltext  
(c) 2003 IDG Communications. All rts. reserv.

045014  
**Vendors ready for Windows 95**  
Byline: Joanne Cummings  
Journal: Network World Page Number: 14  
Publication Date: June 19, 1995  
Word Count: 613 Line Count: 60

Text:

... communications services, into Windows 95's Network Neighborhood, enabling users to perform any Unix-based task directly from within the Windows 95 client . The Unix services appear as resources or objects that are available simply by clicking on...

... log on to the net. The product also enables LAN administrators to build a security profile for one user - including all files, servers and directories to which they are allowed access - and then copy...

...for other users. The software offers a number of customization features, including the ability to restrict user access to individual drives, partitions, directories or files, as well as the ability to specify different...

... of those levels. Since protection is extended down to the AUTOEXEC.BAT and CONFIG.SYS levels , users cannot circumvent security by trying to boot up their machines from floppy disks, the firm said. StopLight 95...

14/3,K/44 (Item 5 from file: 674)

DIALOG(R)File 674:Computer News Fulltext  
(c) 2003 IDG Communications. All rts. reserv.

033970

**Server gives user high-speed access to multiple printers**  
Byline: Christine Burns  
Journal: Network World Page Number: L1  
Publication Date: November 15, 1993  
Word Count: 472 Line Count: 42

**Text:**

... print jobs on NetWare nets up to five times faster than Novell's own print **server** protocols do by themselves. Print **jobs** are **transferred** from the NetWare file **server** to the JetLAN 4P in large blocks of data to reduce net traffic.

The JetLAN...

...number of security and systems administration features. The print server uses Novell's password encryption- level **security** for **user access**. It protects an administrator's rights, as well, via a supervisor authentication feature that **limits access** to the JetLAN 4P print server controls.

The JetLAN 4P offers a host of systems...

... jobs to the JetLAN 4P goes down, then network clients using a peer-to-peer **function** of the JetLAN 4P can **send** important print **jobs** **directly** to the print **server**.

A network administrator can invoke an initializing utility that lets the JetLAN 4P search the...

**14/3,K/45 (Item 1 from file: 810)**

DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0822314 BW1022

**TECHNOLOGIC: New Wizard Included with Technologic's Interceptor Firewall Appliance Reduces Installation Time to Less Than Half an Hour**

March 17, 1998

Byline: Business Editors & Technology Writers

...ensuring the end result is a properly configured firewall backed by a solid strategy for **controlling access** to corporate data. "The trend toward new 'plug-and-play' firewall appliances needs to go..."

...new wizard-driven Windows application comes on a CD-ROM that administrators access from their **PC** . The wizard **provides** guidance through set-up **procedures** , using interview-style questions answered from choices presented on-screen. Once the process is complete...

...operation' solution.

Security policies included as part of the set-up allow administrators to select **privileges** for **users** both inside and outside the firewall. Policy descriptions relate to common Internet activities, such as...

...not only affordable and easy-to-use but also offers the encryption, authentication and **user-access controls** companies expect in robust firewall protection. The appliance includes RADAR (Remote Administration, Diagnostics and Reporting...

**14/3,K/46 (Item 2 from file: 810)**

DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0564775 BW0134

**DAZEL CORP:** Dazel announces industry's first toolkit for integrating output management capabilities into client/server applications; Extended support to include Windows 95 and NT

March 11, 1996

Byline: Business Editors/Computer Writers

...applications.

With the DAZEL SDK, Windows and UNIX application developers can integrate full functionality to manage, control and access distributed output resources from applications developed with C, C++, PowerBuilder and Dynasty, as well as...

...environment. DAZEL provides the capabilities to centrally manage the six key areas of output management -- delivery, configuration, accounting and inventory, job and queue, event, and privilege -- directly from the client / server application.

By incorporating DAZEL output management capabilities, client/server applications will be able to reliably...